

## Leggo my Lego

Frank Robinson's childhood passion has turned into a grown-up passion.

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## Too close for comfort?

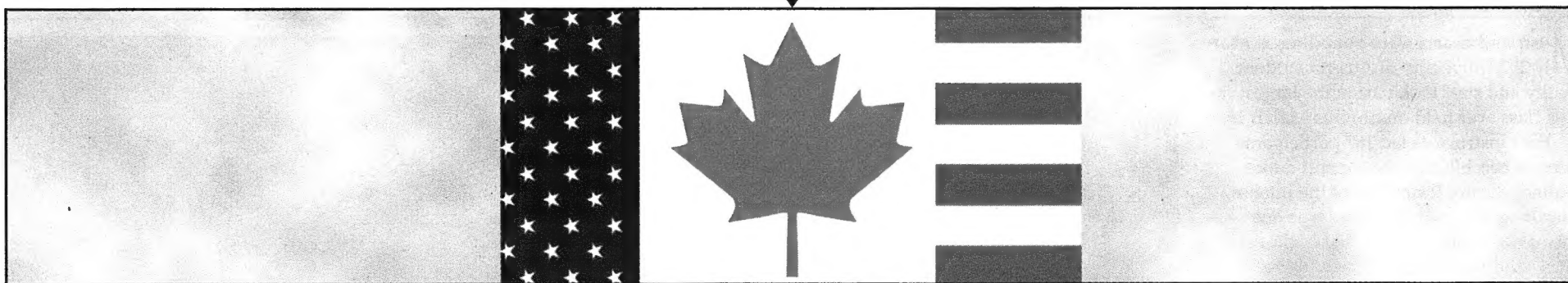
Canada and the U.S. are intertwined economically and culturally. But are trade agreements leading to an erosion of our own sovereignty?

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UNIVERSITY OF ALBERTA

# folio

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## Pioneering chemist Ray Lemieux named to hall of fame

*He wanted to be a carpenter, but changed a field of study instead*

By Bev Betkowski

Laura Frost has a vivid childhood memory of sitting in church with her father. After the sermon had begun, Raymond Lemieux would pull out his cigarette package and begin doodling scientific equations on it.

"He always smoked Matinee cigarettes because they had the most room on the package for his chemistry symbols. Our greatest regret is that we didn't keep some of those boxes," Frost said.

The scribbles on those packages reflected the busy mind of one of the University of Alberta's most distinguished luminaries. A professor, businessman and pioneer in the field of chemistry, Dr. Raymond Urgel Lemieux has been named by the Canada Science and Technology Museum to the Canadian Science and Engineering Hall of Fame.

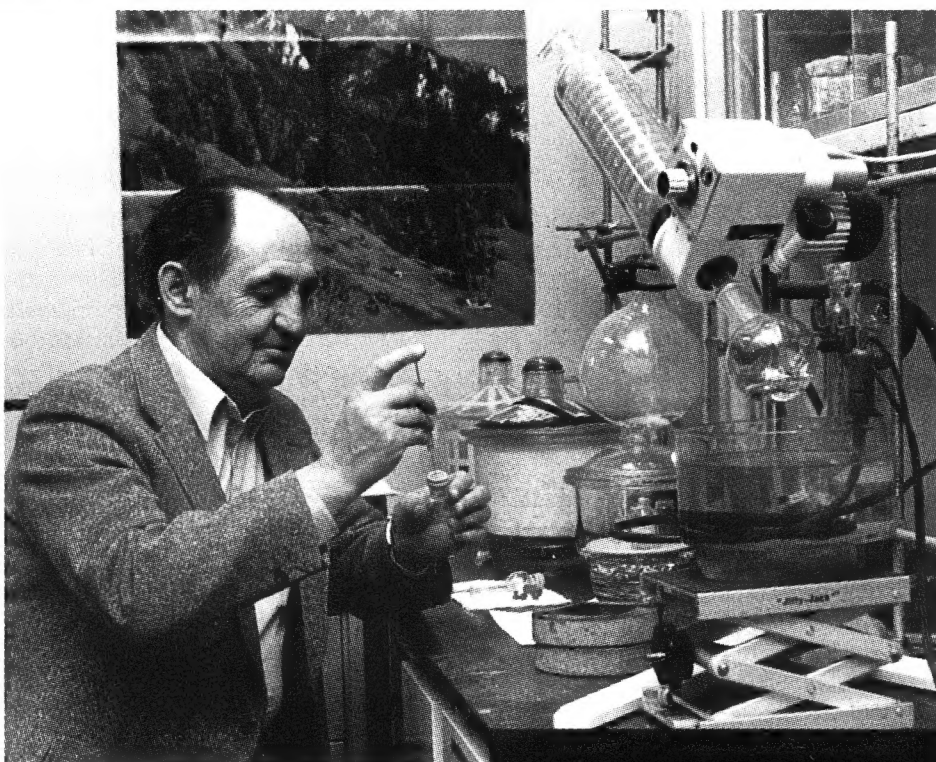
When Lemieux died in July of 2000 at age 80, he left a legacy of accomplishment, including pioneering efforts in carbohydrate chemistry. His work revealed how carbohydrates bind to proteins, a phenomenon crucial to everything from immunology to cancer.

"It is gratifying to have his accomplishments recognized alongside those of other great Canadian scientists in the Hall of Fame and to have his name mentioned together with those of E.W.R. Steacie, Frederick Banting and Alexander Graham Bell," said Dr. Martin Cowie, chair of the U of A Department of Chemistry.

Lemieux's work gained international recognition for himself and the U of A. He was the first recipient of the Canada Gold Medal for Science and Engineering, and also received five international awards, including the Albert Einstein World Award of Science in 1992. He held honorary degrees from 15 universities around the world and in 1994 was named Companion of the Order of Canada.

Passion for his work was a lifelong theme for her father, said Frost, a professor and chair of biological sciences in the U of A Faculty of Science.

"He lived and breathed chemistry. We



lived in a very scientific household." Her mother Virginia held a PhD in chemistry, and Frost grew up immersed in the subject. "The dinner table conversation was always about chemistry."

Lemieux's interest in the subject was sparked by the death of his brother to a childhood disease. The loss stayed with him, said Frost, and "when he heard about antibiotics, that motivated him to study the chemistry of them – how to make them. A large part of his work was based on antibiotics synthesis."

During his lifetime, Lemieux founded three companies: R & L Molecular Research (1963), Raylo Chemicals (1966) and Chembiomed Ltd. (1977). For the last period of his life, he was intensely interested in carbohydrate recognition in the body, Frost said.

"He surmised that our blood group antigens are carbohydrate compounds and he realized there was real medical importance there and he started to worry

about how proteins in our bodies recognize carbohydrates. That was the basis for his companies," she said.

Those who didn't know Lemieux would never have suspected he was a brilliant chemist, said Frost. "He wore his accolades and his fame very humbly."

His greatest personal accomplishment was achieving so much from simple beginnings. "Coming out of the poverty of Lac La Biche (a remote rural town, where he was born into a large family) and the wrong side of the tracks in Edmonton during the Depression, and then to receive such standing in his field, I think he was extremely proud of that," Frost said.

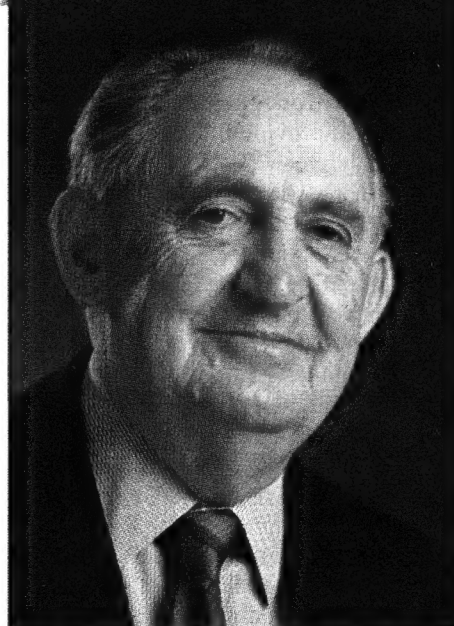
Lemieux had planned to be a carpenter like his father, but while working one summer as a bellboy at Jasper Park Lodge, he met people who were flourishing at university. He enrolled in 1936-37 and earned his first degree from the U of A, a BSc in honours chemistry. A PhD from McGill University followed in 1946 and he did post-doctoral studies in Saskatchewan.

Working for the National Research Council two years later, Lemieux became the first scientist to successfully synthesize sucrose in the lab. He returned to the U of A in 1961 after chairing the chemistry department at the University of Ottawa.

"He liked the atmosphere at the U of A," Frost said. "He thought it promoted good science. He had everything he needed in terms of equipment, facilities, support staff. There wasn't this tremendous pressure of fame like working in a place like Harvard or Stanford. He could go home and have six kids living in a nice city that was safe, and enjoy his life outside the university."

In 1998 Lemieux bestowed a \$100,000 gift to the U of A Faculty of Science, his endorsement of the Strathcona County-R.U. Lemieux Chair in Carbohydrate Chemistry.

Joining Lemieux in the Canadian Science and Engineering Hall of Fame are astronomy researcher Helen Sawyer-Hogg and geologist Sir John William Dawson. They will be inducted May 20. ■



Dr. Ray Lemieux's work had a tremendous impact on health research. He earned honorary degrees from 15 universities and has been named to the Canadian Science and Engineering Hall of Fame.



# Fitness class packs 'em in

*Wellness Week participants get a taste of different workouts*

By Richard Cairney

Music and hearts were pounding as nearly 200 University of Alberta students, faculty and staff took part in the largest fitness class ever held on campus March 16.

Four instructors led 187 participants through aerobic, kickboxing and dance routines during the course of the intense, hour-long workout. The class was one of the events in the U of A's first Wellness Week, and was designed to showcase fitness courses offered through Campus Recreation.

"A few years ago we did something like this, but just for kickboxing, and had 75 people turn out," said Carol Hills, associate director of Campus Recreation. "We just thought that we could try and do something a bit bigger, and show how eclectic the fitness programs here are."

The line-up for the class demonstrated just that. Instructor Shannon Zrobek, whose Guts 'n Glutes class provides a workout far more intense than its name might suggest, led the group through a series of one-legged squats and other moves that are painful but good for you.

"My legs are still trembling from that," said participant Ai Matsumura, a fourth-year physical education and recreation student. She was equally impressed by Sandy Eykelboom, who closed the class with hip-hop dancing.



Instructor Sandy Eykelboom leads 187 'students' through a set of hip-hop moves at the Universiade Pavilion. The fitness class was part of the university's Wellness Week.

"I want to teach my own class," said Matsumura, who is an accomplished hip-hop dancer herself.

One session was led by Gaspar Bonomo, a two-time Canadian kick-boxing champion who now teaches it six days a week. Bonomo and assistant Nial Smith put the crowd through a series of punches and kicks, giving them a taste of the sport.

"Some students take it for the fitness aspect and some of them are training for amateur fights," said Bonomo.

Dance instructor Viraj, the only professional male belly dancer between Vancouver and Toronto, had the class moving gracefully. He said the size of the class and time constraints wouldn't offer

students much instruction, but would give them an appreciation for belly dancing.

"I want to give them a taste, a sense of the beauty, a sense of the performance," Viraj said. "This is more of a peek through the keyhole."

"I might have never taken a belly dance class, but I might now," said participant Jennifer Shepherd, who is doing graduate studies in English.

Partners in Wellness Week include the U of A Students' Union, the Senate, the Faculty of Physical Education and Recreation, Human Resources, the Office of Public Affairs, the City of Edmonton's Active Edmonton and KidSport, an organization that raises money for children in

need to participate in sports.

The week kicked off March 14 with a skating party in Clare Drake Arena. Daytime and evening events were scheduled throughout the week, with sessions on fitness, diet and relaxation, even on ways to improve your sex life. The week culminated in 12 hours of Ultimate Frisbee March 19.

Hills said the U of A will now challenge other universities and colleges to hold larger fitness classes.

"The U of A is really seen as the leading edge in wellness," she said. "We've probably got the largest fitness program in the country here, so other universities are looking at us to see what we are doing." ■

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## Giving good quote

*Scientists must develop strong story-telling skills, says national science reporter*

By Geoff McMaster

Communicating well to the mass media is the best way for Canadian scientists to make the public understand the importance of their work, according to one of Canada's top science writers.

"Usually you're told that researchers bear this communication responsibility because, after all, the public is paying," said Peter Calamai, national science reporter for the *Toronto Star*. "I think the trump argument is what's happening around you right now in Canada. From the prime minister on down, our elected figures are serious about improving the process of coming to public judgment."

Calamai was speaking to an audience of Alberta Ingenuity award winners at a campus event March 9.

"Before there can be meaningful public judgment about issues with a substantive science dimension, there has to be public engagement by scientists."

Calamai argued the media is the most effective means of swaying both public opinion and the federal government on important ethical issues. In the absence of a group such as the American Federation of Scientists, "a ginger group with solid scientific credentials but also a social conscience...it looks like the media may be the only way some of these issues get aired in Canada."

Outlining the challenges of his beat,

Calamai said his job is to make people who are not normally interested in science stop turning the pages of a newspaper and read his stories. However, a good story depends on strong interviews, he said, and so researchers would do well to think about how they could convey the excitement of their work to a general audience.

"None of the elements we need are going to be found in a conference presentation or, even worse, a paper published in a peer-reviewed journal. Researchers are carefully conditioned to make such papers as dispassionate and detached as possible. Meaning the articles are dull, dull, dull. The use of the passive voice merely puts the final shovel of dirt onto a narrative that was already six feet under as far as conveying any real picture of what actually happened or the order in which it happened."

Any strong story, in print or broadcast media, has to contain the emotional essence of the researcher's quest, he said. The two vital ingredients of any story are the "killer quote," which contains that essence, and the factual "nut graf" (introduced by the unwritten words, "This story is important because...").

"If those two elements are right the reporter knows the reader will be hooked," said Calamai. "But you aren't going to hear many great 'killer quotes' in science coverage."

Science researchers need to be good story tellers, he said. "Thinking just a little bit in advance about evocative metaphors, analogies, similes, comparisons and other devices that would bring your story alive for the listener. It's called 'giving good quote.'"

Calamai added that he plays down his own science background (he graduated from McMaster University with a bachelor's degree in 1965), not only because he considers it outdated, but because he wants his interview subjects to "frame" their explanations in everyday, lay language.

"I'd be more honest if I said that I want them to make their explanation as fascinating as the work warrants, an account that I can render into a compelling story that will draw in readers who are not part of the science-attentive public." ■

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# Canada – the 51st state

*Are we selling our country to our southern neighbours?*

By Caitlin Crawshaw

According to Canadian nationalist Maude Barlow, Canadian elites are selling out our country by driving us towards deeper continental integration with the United States.

Barlow, who is National Chairperson of the Council of Canadians, as well as an activist and author of numerous books, spoke last Tuesday evening as part of a Parkland Institute public forum entitled, *Colony or Country?* She was accompanied by author Murray Dobbin and Parkland Institute director Gordon Laxer, who also addressed issues of nationalism in Canada.

In Barlow's view, little has changed since the 1980s when former Prime Minister Brian Mulroney signed away a good deal of Canadian sovereignty with the NAFTA deal. At the turn of the 21st century, elites continue to sacrifice Canadian independence in the name of economic prosperity.

"The same political and economic forces that brought us free trade 20 years ago are back – literally the same forces," said Barlow. Among them, she included the C.D. Howe Institute, the Fraser Institute, and the Canadian Council of Chief Executives (CCCE), who continue to push for greater economic integration with our U.S. counterparts.

"The process has been very good for those people promoting national integration," said Barlow. But because the Canadian economy is so tightly intertwined with the U.S. economy, we're vulnerable to economic changes in the United States. She added that this economic dependence has increased the political pressure to cooperate with the U.S. politically in order to maintain the Canadian economy.

But to economist Dr. Rolf Mirus of the U of A School of Business, economic integration is having a more positive effect on Canada than Barlow realizes.

"The difference between someone like Maude Barlow, who is a writer and has a political agenda, and serious economists, is (the understanding) that foreign investors bring in new technology, new ways of doing things, improving methods and improving productivity," said Mirus.

"As an economist and as a father of two kids who want jobs in Canada, well-paying jobs, I want more such foreign investment in Canada because it allows us to raise our productivity...if you raise your productivity you can buy more and your standard of living goes up," he added.

This foreign investment is only possible when the U.S.-Canada border allows the free movement of goods and services from Canada into the U.S. Many firms prefer to locate in Canada because of our health care system, but do so provided they have good access to the North American market.

To Mirus, NAFTA is not a sign of elites

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— Dr. Rolf Mirus



Council of Canadians chair Maude Barlow says Canadian independence is being sacrificed in favour of economic profit.

selling out Canada, but rather an indication of responsible governance.

"The Canadian government negotiated free access because they were thinking about the future of the next generation of Canadians. So they won't have to go and work in the U.S. If we care about future generations of Canadians and their welfare and our current income levels, we have to make sure we have free access to the U.S. market."

Political author Murray Dobbin took a stance similar to that of Barlow at the public forum, attributing much of the damage done to Canadian nationalism to former finance minister Paul Martin.

"He's the guy who prepared Canada for sale to the U.S.," he said. He argued that as finance minister, Martin made cuts to social programs that have weakened our east to west ties, which are necessary to fight the "north-south pull." In Dobbin's view, Martin's cuts constituted attacks to nation building.

Barlow described several core "bad ideas" emerging from the Canadian elite, and discussed their impact on Canadians.

In Barlow's view, a number of powerful individuals, think tanks and corporate lobby groups are pushing to have Canada abandon a long-standing tradition of multi-lateral policy in favour of condoning the U.S. first-strike policy.

Another "bad idea" is the view that we ought to join the American missile-defense system and participate in American pre-emptive wars. We're also being pressured to abandon our views against the weaponization of space, and our traditional role of peacekeeping.

These anti-nationalists are also pushing for a continental resource-sharing pact, according to Barlow, in which Canada would lose control over important resources like power and water.

According to Dr. Tom Keating of the U of A political science department, Barlow

is correct in arguing there has been a loss of sovereignty on Canada's part as the natural consequence of free trade. But he stressed that we're not in quite the predicament Barlow envisions.

"I think Barlow's right in that there are the groups trying to push and promote (economic integration), to deepen the amount of integration between Canada and the U.S. simply to feather their own economic nest. I don't disagree that they're trying to do that," Keating explained.

"But I'm not losing sleep at night, because I don't believe they'd be successful in convincing the government to do it. Secondly, I don't think, even if they were, that the Americans would sign on to anything right now."

Keating stressed that NAFTA is not an acceptable agreement to a large number of Americans who are concerned about their own livelihoods under the deal.

"It's probably a more tenuous bargain in the U.S. than in Canada. Certainly NAFTA had a much more difficult time getting through the American political system than through the Canadian political process," Keating said. "That's partly because of the nature of the American political process, but it's also because of the strength of the opposition in the U.S."

"The protectionist sentiments in the U.S. are pretty strong, and pretty widely held. There wouldn't be as much gnashing of teeth if they saw something like NAFTA going down, by large parts of the American population."

Ultimately, regardless of the political and economic pros and cons of free trade, Keating emphasized there are always provisions in international agreements for countries to back out of a deal. Canada could debate the subject, come to this conclusion, and choose to leave, he said. While potentially expensive, Keating argued that the political fallout might not be as awful as some might imagine, given American

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— Dr Tom Keating

protectionist policies.

In an effort to reverse the negative consequences of free trade, and to fight the pressures of anti-nationalist elites in Canada, Barlow and the Council of Canadians are teaming up with labour groups, women's groups, faith-based groups and a wide variety of community groups across the country to establish a network called "Our Canada."

"These bad ideas form the basis of an assault on our future," Barlow argued. "But we have a better idea," she declared, adding that the network will promote a view of a Canada as a state supporting social justice, environmentally sustainable practices and collective security. The group intends to fight the idea that Canada is "for sale," as the political and economic elite in the country would have us accept, she said.

"We've got to stand up and become a fighting force again," said Barlow.

Political economist Dr. Gordon Laxer agreed.

"But only large numbers of people can win back the power of entrenched elites," he warned. ■



# Killam professor collects teachers' stories

*Clandinin fills knowledge gap*

By Stephen Osadetz

Students meeting with Dr. Jean Clandinin are asked to sit in a particular way. With the student seated in a comfortable padded chair, Clandinin pulls up another chair, sitting with her back to her office's open door. This way, she says, she can focus on the student.

"Somebody has to really want my attention if they want to get hold of me when I'm with a student," she says.

Awarded a Killam professorship this year, one of the U of A's highest distinctions, Clandinin is a professional listener. She is a specialist in teacher knowledge, a subfield of educational research developing ways of understanding what teachers know and how they express that knowledge in their teaching practices.

For about the first decade of her career, Clandinin worked as a teacher, counsellor and psychologist in elementary schools. In 1978, she entered graduate school, and it was in her first course at the University of Toronto with Dr. Michael Connelly, who became her mentor and later one of her closest colleagues, that Clandinin discovered the research literature surrounding what teachers knew and taught. Teachers were represented, in researchers' eyes, "as though their practices were just applied theory," Clandinin said.

The system guaranteed, intentionally or not, that teachers would always be scapegoats for problems in the educational process. If a new curriculum was developed, or if someone came out with a new theory of how educators should teach reading, any theoretical flaws could easily be blamed on the teachers, and the administrators or academics could free themselves of responsibility.

Clandinin realized, as many researchers did in the late seventies, that the current academic view of teachers' practice didn't jive with the reality of the classroom. This was driven home in the field work Clandinin did for her doctoral studies. Having grown up in Alberta, which is relatively culturally homogenous, Clandinin was fascinated when she started working in Toronto's multicultural schools, where students came from very different backgrounds of race and class.

"When I did my first research in inner-city Toronto, I found it so interesting. How do you have white, middle-class teachers teaching new immigrants? I was fascinated by the questions there ... Both the teachers and the students had such interesting stories to tell," she says.



Dr. Jean Clandinin's research has shed new light on the experience of teachers.

The full set of stories that surrounds a teaching environment – from each student's upbringing to the teacher's own experiences as a student to the school's administrative structure – is what Clandinin refers to as the "professional knowledge landscape," the complete context of stories in which teaching takes place.

To arrive at this different, more complicated picture of what teachers know and how they teach, rather than simply handing a formulaic set of multiple-choice or short-answer questions to the grade-school teachers with whom she works, Clandinin lets them tell their own stories.

But this approach to discovering teacher knowledge, which falls under the rubric of "narrative inquiry," takes a lot of commitment and time, both on the part of Clandinin and the teachers she works with. "You can't just go in and say, 'Tell me your story,'" Clandinin says. "If you do, (the teachers will) tell you the stories they think you want to hear or the stories that are safe, because they're often not going to tell you right away about the things they struggle with most."

Building up trust with the people whose stories she listens to is key to Clandinin's work, which has been funded since her graduate studies by the Social Sciences and Humanities Research Council of Canada, the federal funding organization for research in

the humanities. "(My graduate students and I) go and live in a school for a long time, and as you live alongside somebody in the classroom, they start to tell their stories."

In some cases, Clandinin and her graduate students will spend a year or more on a single project, incorporating themselves into a classroom until they are as familiar as any other member of the class.

But the irony of the education system is that even as more and more academics are, like Clandinin, realizing the need to admit the complexities of the classroom, school administrators and government education programs, especially in Alberta, often seem bent on ignoring the real differences inherent in each teacher's and student's story.

"From 1978 to 2004, I've seen a shift in Alberta to the intense focus on test scores and achievement tests from a focus on child development and self-esteem that were more prevalent when I started to do my work," Clandinin says.

This is obviously an issue that frustrates her immensely: "If the focus is all about getting the highest test scores possible, ... this is going to have a serious effect on what the teacher knows and how she approaches teaching." Rather than focus on the students' specific needs, Clandinin is saying, policy makers tend to view children as statistics, not as individual people.

Rather than succumbing to this trend, Clandinin develops ways to circumvent it

in her own teaching, by incorporating ideas from her research into the instruction of her students.

Also, rather than simply teaching theory to her students, Clandinin tries to encourage students to bring their own stories into the classroom. "I try not to just respond to theoretical articles, but to talk in small groups about our own experiences in relation to research and theories."

On Tuesday afternoons, Clandinin meets with graduate students on the sixth floor of the Education South building in the Centre for Research for Teacher Education and Development, of which she is the director and sole professor. There, in a well-lit, spacious room, they gather around a large table to discuss the successes and difficulties they had in their previous week in the classrooms and in their research projects. Sometimes Clandinin will chime in with her own concerns, but often she will just sit and listen.

Seeing these young students struggle with some of the same problems she has faced in her career is an awesome experience for Clandinin, she says, revealing just how much work there is to do in this new field which she and others have carved out.

"Even with the kind of work we're doing, we can't get anywhere close to realizing how many things shape the knowledge teachers carry into the classroom," she says. "It's immense." ■

# Time to pay back Albertans, says Parkland Institute

*Dr. Trevor Harrison: "Government stuck in rhetoric of debt crisis."*

By Geoff McMaster

After years of sacrifice, it's time for average Albertans to reap their economic rewards, says a report released Tuesday by the University of Alberta's Parkland Institute.

"We are no longer in the situation of a significant debt crunch," Parkland research director Dr. Trevor Harrison said of the province's current fiscal state. With an expected provincial surplus of close to \$4 billion, there is no reason why the government should not re-invest in public services such as health care, education and social welfare, he said.

"We believe the government tends to be stuck in the rhetoric of debt crisis, often too willing to engage in pitch battles with its civil servants, teachers and nurses, disregarding the needs of municipalities, and unresponsive at times to the needs of the poor and homeless."

Premier Ralph Klein's government, he added, has seemed more interested in maintaining low taxes than in making "genuine public investment," and in its

zeal to pay down the economic debt has accumulated significant 'social debt.'

The Parkland study, called *A Time to Reap: Re-investing in Alberta's Public Services*, points out that the Alberta economy remains the strongest in Canada, attracting large numbers of young workers from other provinces. In December, 2003, the province's unemployment rate was at 4.9 per cent compared to the national rate of 7.4 per cent.

Inflation, however, has been on the rise largely because of increases in power and utility costs. And yet average wages in Alberta have remained stagnant since 1992, falling well behind increases in the cost of living. Alberta's minimum wage is the lowest in Canada at \$5.90 per hour.

"Many people are doing extremely well in this economy. However many of the poorest, and even average Albertans, are falling behind," said Harrison.

Harrison also singled out post-secondary education as one area the govern-

ment has neglected, with tuition rising sharply in recent years – by 21 per cent since 1999. It is now the fourth highest in Canada (behind Nova Scotia, Ontario and Saskatchewan). As a result, higher education is becoming less affordable for average income-earners and may be determining career choice for some students, he said.

While spending has increased marginally in some categories of social assistance, overall social spending per capita also declined between 2002 and 2003. Any increases the government did introduce, says the report, "come nearly a decade after rates were severely cut and never since restored," with the added burden of inflation.

The government has promised to increase social spending before, but failed to follow through, said Harrison, and so the authors of the report are skeptical that the forthcoming budget, to be tabled March 25, will offer any relief. However, the report makes a number of recommendations, including:

- Eliminate health care premiums entirely, with health care funded solely out of general government revenues.
- Raise the province's standard minimum wage to \$7.30 per hour.
- Immediately reduce and cap university tuition at 2000 levels.
- Determine funding per student rather than per capita, and aim for funding at highest rate per student in Canada.
- Return to power regulation.
- Return to progressive rate structure on taxable income, while maintaining the current level of basic and spousal exemptions adopted in 2001.
- Strike an all-party committee to examine royalty rates on oil and gas to determine whether Albertans are getting a fair price.
- Make private companies contracted by the Alberta government subject to the same reporting procedures and policies as those guiding public agencies and departments. ■



# Pandas play to national perfection

*Perfect end to a perfect season for Pandas*

By Bob Stauffer

It's official...it's a dynasty! The No. 1 ranked University of Alberta Pandas hockey team claimed its third consecutive national championship and its fourth in the last five years, with a 2-0 victory over the Ottawa Gee Gees March 14 in Montreal.

The title win caps a perfect, undefeated season for the Pandas.

For the second game in a row, the Pandas got two goals from CIS Player of the Year Danielle Bourgeois, a student in the U of A Faculty of Arts. Alberta dominated the final game throughout, outshooting Ottawa 28-5 through two periods and 45-14 overall.

After a scoreless first period in which Alberta outshot Ottawa 14-4, Bourgeois finally broke through late in the second. With just over a minute left in the period the tournament MVP accepted a pass from teammate Delaney Collins, and then beat a Gee Gee defender with an inside move before banging her own rebound past Ottawa goalie Megan Takeda. It gave the Pandas a 1-0 lead at 18:56 of the second.

Bourgeois then added the insurance-marker at 8:08 of the third, as she dove to poke the puck past Takeda to give the Pandas a 2-0 lead that Alberta would never relinquish.

CIS Coach of the Year Howie Draper said the winning game culminated a stunning season for the Pandas, which ran an undefeated streak against CIS opponents to 81 games.

"This team has been amazing, it has been an amazing ride this year. I wasn't

"This team has been amazing, it has been an amazing ride this year. I wasn't concerned, I know we had tremendous momentum and we were going to break the goalie's bubble eventually."

— Howie Draper



Danielle Bourgeois scored two goals to lead the Pandas to their third consecutive national championship and their fourth in the last five years.

Live With

"It feels amazing, sometimes when we don't get on the board right away, we get a little down, but we kept holding out and forechecking and our patience paid off. It's awesome."

— Danielle Bourgeois

concerned, I know we had tremendous momentum and we were going to break the goalie's bubble eventually," Draper said.

Bourgeois believes the Pandas were rewarded for their tenacity. "It feels amazing, sometimes when we don't get on the board right away, we get a little down, but we kept holding out and forechecking and our patience paid off. It's awesome," said the elated player, who had multiple-goal games in all three of Alberta's games at the championship finals.

Collins, who joins Team Canada for the upcoming International Ice Hockey Federation Women's Hockey World Championships, agreed with her linemate.

"I knew it was a matter of time before we scored. We are a talented team, and are committed to our system. We never lost confidence and it paid off," said Collins, a student in the U of A Faculty of Physical Education and Recreation.

The Pandas advanced to the championship after beating foes from St. Mary's 10-0 and McGill 2-1 in the round-robin, and only yielded 36 shots against in three games.

The U of A Golden Bears men's hockey team, buoyed by an unbroken string of wins this season, heads into CIS University Cup finals March 25 in Fredericton, New Brunswick. They defeated the Saskatchewan Huskies 8-1 at Clare Drake Arena March 13, securing Alberta's 43rd conference title and eighth straight berth in the national championship. ■

# Bears, Pandas coaches are a winning team

*As teams win titles, coaches earn recognition, too*

By Bev Betkowski

If their coaches' performances mirror their own, the University of Alberta Golden Bears and Pandas should all come home winners when the final points are scored this year.

The men's and women's coaches in both U of A volleyball and hockey were recently named Canada West coaches of the year. The four winners were chosen by their peers in the Canada West Universities Athletic Association.

As well, Laurie Eisler and Terry Danyluk, coaches of the Pandas and Bears volleyball teams, were named national coaches of the year by Canadian Interuniversity Sport (CIS). Pandas hockey coach Howie Draper also won CIS Coach of the Year honours. Bears hockey coach Rob Daum is also up for the award, which will be announced March 24.

The deluge of accolades is a reflection of the U of A's commitment to having the best on staff, said Mike McTeague, assistant director of athletics. "The paramount reason we are so successful is we have the best coaches," he said.

"There are very few universities who have a level of commitment to having full-time coaches" as the U of A does, he said. It also explains the winning ways of the Bears and Pandas teams, he added. "Success breeds success."

All of the coaches are deeply involved in their sports off the field of play, which

makes them very effective in their duties, McTeague believes. "They are all leaders in their sports."

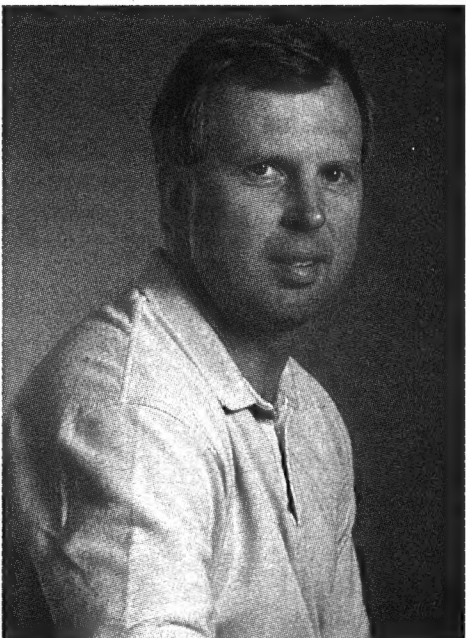
Eisler coached the volleyball Pandas to six national titles in the 1990s, and took the team to a bronze medal win in 2003. For the second year in a row, the Pandas headed to nationals as the No. 1 seed after winning the Canada West conference, looking for their first national title since 1999-2000. The team earned a silver medal in the national finals.

A 12-year veteran at the U of A, Eisler is heavily involved in the development of volleyball, serving on several committees, and "she studies the game," McTeague noted.

Danyluk, whose CIS award is his third as Coach of the Year, "lives the game," McTeague said. Danyluk coached the junior national team last year, taking it to Australia, and has played professionally in Japan, France and Switzerland. His No. 3 seeded Bears finished first in Canada West with a 15-5 conference record. The team finished second in the nationals.

"The paramount reason we are so successful is we have the best coaches, There are very few universities who have a level of commitment to having full-time coaches."

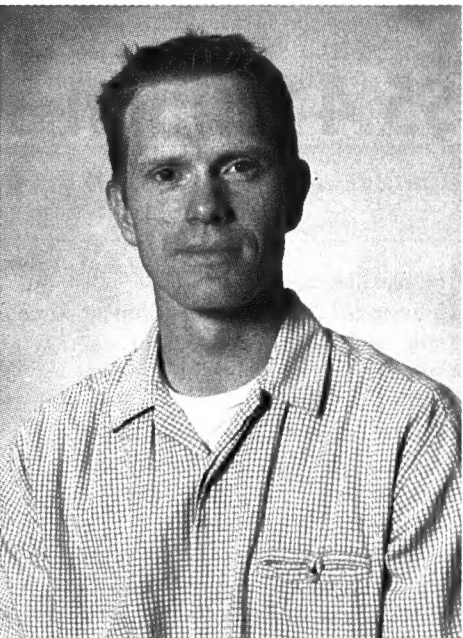
— Mike McTeague



Rob Daum

Canada West named Rob Daum men's Hockey Coach of the Year for the 2003-04 season, his fifth time collecting the honour. Under his guidance, the U of A Golden Bears earned a record-setting 26-0-2 season record and are only the third team in conference history to complete the regular season undefeated.

Daum has spent nine years behind the Bears bench and in that time has taken



Howie Draper

Alberta to the CIS University Cup national championship seven times, winning the title twice.

He shares the award with his team, saying the players and other coaching staff made it happen through their commitment to the game. "I have a passion for it and to work with the players who have the same passion and share in that, is what I enjoy most about it." ■



# University receives \$25 million in grants

**Federal funds help cover infrastructure costs; matching grants sought**

By Geoff McMaster

A new centre of excellence for research into gastrointestinal disorders is one of the big winners in the latest round of grants from the Canada Foundation for Innovation (CFI).

The \$8.2 million grant for a planned Centre of Excellence for Gastrointestinal Inflammation and Immunity Research was one of seven grants, totalling \$25.4 million, awarded to the U of A March 8. The announcement was made by Prime Minister Paul Martin and CFI President David Strangway. About \$450 million in Innovation Fund awards was handed out for 126 projects at institutions across the country for research infrastructure.

The University of Alberta's Division of Gastroenterology has long been recognized as one of the best research units of its kind in the country. With \$8.2 million in infrastructure funding from CFI, however, an already outstanding team of U of A researchers from four faculties will consolidate to become an international centre for work on gastrointestinal research, says Dr. Richard Fedorak, who will lead the new centre.

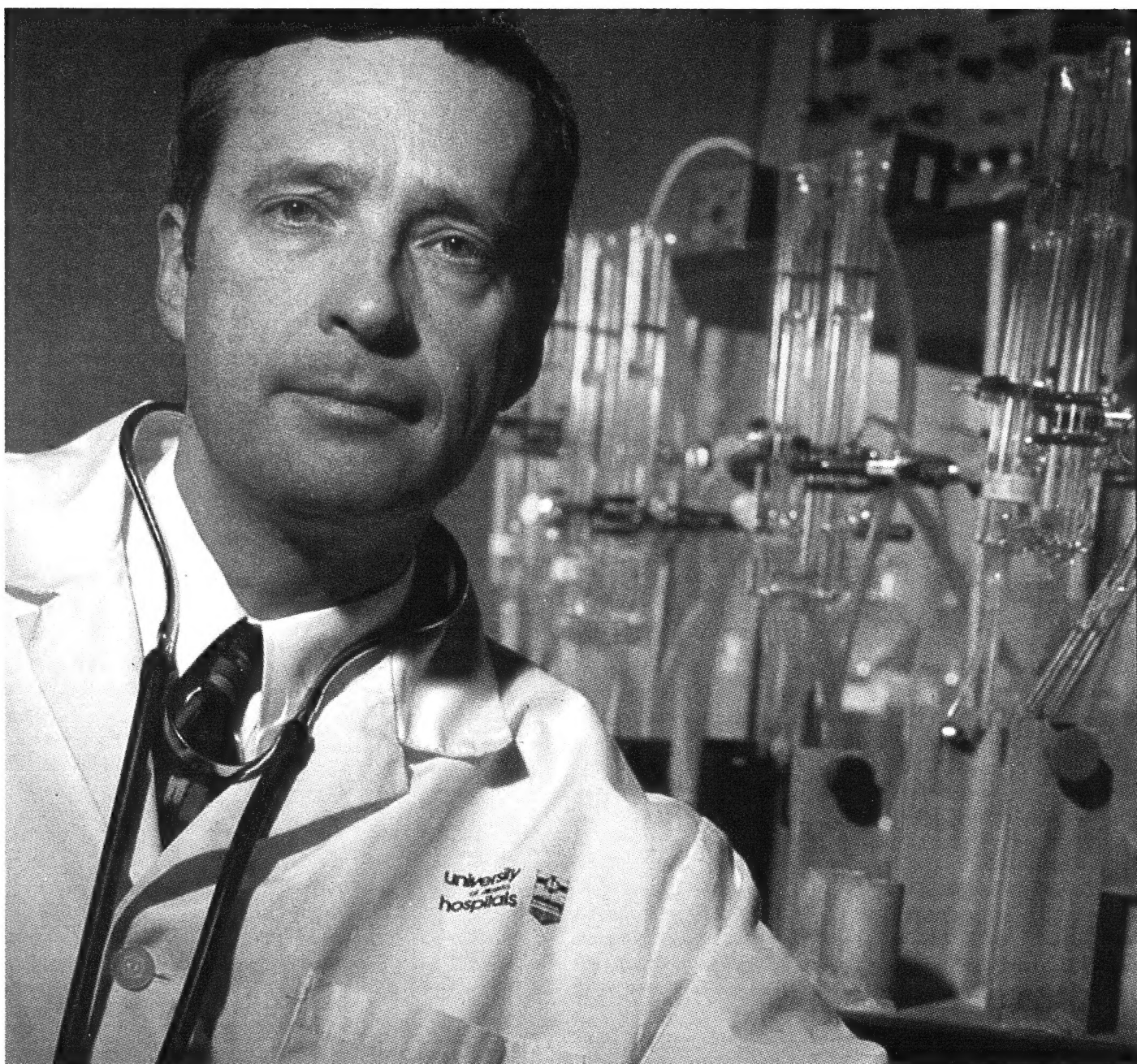
Fedorak said the centre, costing a total of \$20.5 million, will "bring together immunologists, geneticists, microbiologists, physicians and health outcomes researchers, many of whom are scientists of international stature.

"Little is currently known about the underlying mechanisms that contribute to these inflammatory disorders, the progression to chronic disease, or the development of related cancers," said Fedorak. "This lack of understanding must change, as gastrointestinal and liver disease affect 60 per cent of Canadians at some time in their lives, representing an economic burden of \$100 billion annually, corresponding to approximately 50 per cent of the total economic burden of illness in Canada."

Many gastrointestinal diseases are caused by bacteria and viruses, he said. One aim of the centre is to identify those viruses and bacteria, then do genetic work to find out why some people are more vulnerable than others. That work will hopefully lead to more effective treatments.

"We would never, individually, be able to do that," Fedorak said. "One person doesn't have the knowledge set in today's interdisciplinary world. So what you have to do is combine people's expertise."

Many of the centre's labs, and its administrative offices, will be located in the faculty's new Zeidler Family



Dr. Richard Fedorak leads the new Centre of Excellence for Gastrointestinal Inflammation and Immunity Research.

Gastrointestinal Health and Research Centre, a three-storey, 30,000-square-foot facility scheduled to open on the east side of University of Alberta Hospital next fall.

Other CFI grants awarded to the U of A, involving six faculties and 17 departments include:

- \$1.2 million for an Agricultural Genomics and Proteomics Centre
- \$224,000 for a remote field facility to support Ecosystem Management Emulating Natural Disturbances
- \$5.7 million for a Cardiovascular Translational Research Centre

- \$5.9 million for an integrated nanosystems research facility
- \$2.3 million for an oil sand and coal interfacial engineering facility
- \$1.8 million for a Project to Restore Movement (neurology)

"Our support of cutting-edge research infrastructure is transforming Canada's research landscape and increasing our international competitiveness," said Strangway. "The CFI is empowering its institutions to develop partnerships with their provinces, their municipal governments, the private sector, and the vol-

unteer sector, which in turn will secure Canada's position as a global leader in innovation."

"Ideas and discoveries will be the currency of the 21st century," said Martin. "And that currency must be Canadian. The funding just outlined by Dr. Strangway will help ensure that our research facilities remain world-class."

CFI grants, however, cover only 40 per cent of the total infrastructure costs for each project. Applicants come up with the remaining 60 per cent from provincial governments and the private sector. ■

## \$5.4 million awarded for nanotechnology research

**Nanotechnology programs get a boost**

By Bev Betkowski

It looks like an ordinary wrist watch, but the gadget Deputy Prime Minister Anne McLellan had strapped to her wrist may well be the future of health care.

The wireless monitor, complete with a cheerful turquoise wristband, is one of four projects at the heart of a major funding announcement made by McLellan at the University of Alberta.

McLellan, on behalf of her government's Western Economic Diversification program, and in partnership with the province and the private sector, announced \$5.4 million in funding for the U of A's nanotechnology research initiatives.

"This funding will contribute to unparalleled research and commercial opportunities for all participants," said Dr. David Lynch, dean of the U of A Faculty of Engineering, where the nano-research is based.

The money goes to four areas, including the Wireless Wearable Physiological Monitor Project (WWPM), which is developing pocket-sized sensors like the one McLellan tried on. Researchers are hoping

nanotechnology can further develop the sensor, which will be used for at-home monitoring of patients with heart conditions and other ailments. The Seiko and Sony corporations are partners in the project.

The monitor project, spearheaded by the U of A Faculty of Rehabilitation Medicine, would enable people to recover in the comfort and privacy of their own homes. Research is underway to determine if the sensor can be put to use for measuring blood pressure and glucose levels.

"It's truly very exciting," McLellan said. "As a former minister of health I'm always very excited to see initiatives where we can provide patient care outside hospitals."

Research for the monitor, which will be field tested by the Capital Health Region, was awarded \$2.3 million federally and \$500,000 from the provincial government's Alberta Innovation and Science Funding.

As well, \$1 million goes to the U of A's Nanofabrication Facility for equipment upgrades. Another \$305,000 federally and \$150,000 provincially is committed

to studying silicon and nano-sized metal powders and ways to produce them, for possible use in devices such as cell phones and computers.

The federal government also gave \$1.8 million to create a Centre of Excellence in Integrated NanoTools (CEIN), topped up by \$500,000 from the province. CEIN will occupy space in the National Research Council's National Institute for Nanotechnology, now being built on campus.

All of the funding partners deserve thanks for their support of such an important field of research, said university President Dr. Rod Fraser. He referred to the wireless wrist monitor as one such example, suggesting nanotechnology could adapt it into an implantable device capable of detecting disease in livestock destined for the market.

McLellan also praised the many partners who make the research and development possible. "It's exciting for our province, our country, to play this leadership role." ■



Deputy Prime Minister Anne McLellan learns about a health monitor from Koichi Moriya of Seiko Instruments.



# Forestry research looks FORWARD

**Project examines effects of natural and man-made disturbances in Boreal forest**

By Richard Cairney

A nation-wide research program that takes a more holistic view of forestry is the subject of a special edition of the *Journal of Environmental Engineering and Science*.

The FORWARD Project, headed up by Dr. Daniel Smith, A U of A Canada Research Chair in Environmental Engineering and Dr. Ellie Prepas, who holds a Canada Research Chair in sustainable water management at Lakehead University in Thunder Bay, ON., examines the way forestry and natural disturbances affect soils, rivers and streams. The project, funded by the Natural Sciences and Engineering Research Council and Millar Western Forest Products Ltd., will help develop forestry practices that have a minimal impact on the environment or mimic the effects of natural occurrences in the Boreal forest.

"The idea is to link disturbances and harvesting in forested areas to changes in surface waters. We are trying to understand those connections well enough that we can both predict and manage what will happen to surface waters with different kinds of disturbances," said Prepas, who divides her time between Lakehead and the U of A, where she teaches in the Department of biological sciences.

It's an unusual approach to forestry practices, which at present ensure new trees are planted to replace harvested trees, but don't consider industry effect on streams and rivers.

In Alberta, regulations require that forestry companies leave "buffer strips" of trees up to 100 metres alongside water surfaces. But those buffer strips, says Prepas, don't take watersheds, areas of sloped ground that feed rivers and streams, into consideration. In some cases, actual watershed areas could require buffer zones "hundreds or thousands of meters" from surface water, Prepas said.

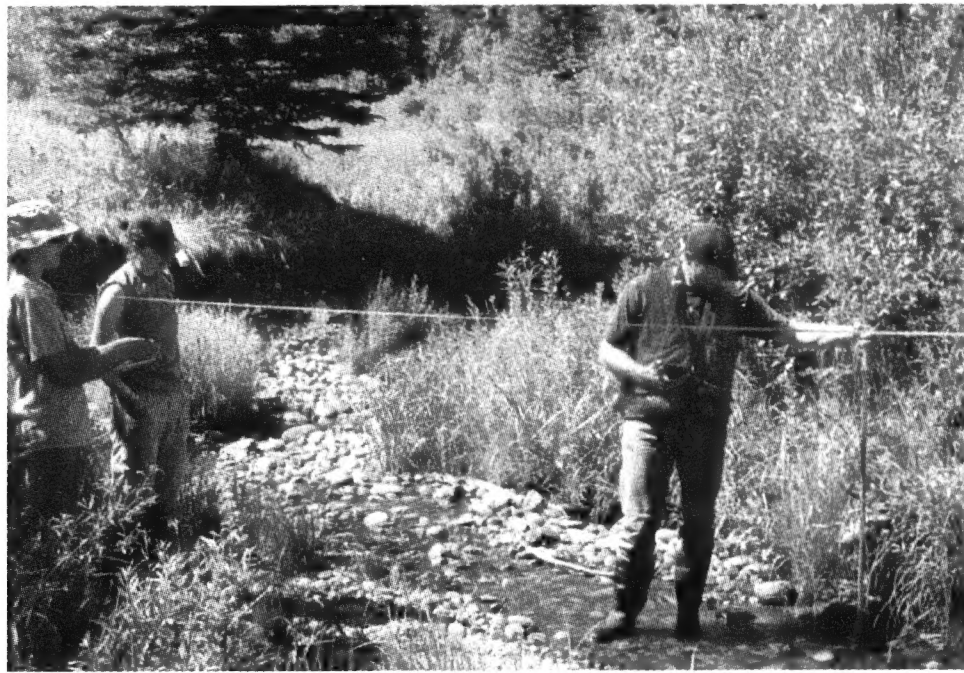
"Buffer strips regarding water have no relation to where the water would come from," she said. "We want to go from something that makes you feel good, and the buffer is a feel-good situation, to making reasonable decisions about how to manage the land."

"Our goal is to produce usable approaches for land managers such as forest companies to be able to integrate a water component into their detailed forest harvesting plans."

But in order to predict the ways forestry and natural disturbances affect surface water, researchers need to collect baseline information about soils and surface water in forested areas. For example, no one knows in detail, what happens to a stream



FORWARD Project researchers are collecting baseline data in order to help minimize the forestry industry's impact.



when trees covering the watershed that feeds it are harvested. And no one can say precisely what happens to a pond when the forest surrounding it burns.

The FORWARD project has research sites in central Alberta, mainly in eastern slopes of the Rocky Mountains, near Hinton and Whitecourt, where it monitors surface water in forested areas scheduled to be harvested this year. The impact of logging on the area will be chronicled in detail.

In terms of gathering baseline information, the research team was fortunate when misfortune struck: in 1998, the Virginia Hills fire north of Whitecourt spread through part of the research area. A hot ground fire with flames that leapt 100 meters in the air, the blaze was responsible for the loss of more than 170,000 ha of timber.

Researchers, armed with data on precipitation in the area prior to the spring fire, were able to investigate its immediate and long-term effects.

"We don't believe that fire and harvesting have the same impact on surface water," said Prepas. "In a fire, especially a hot ground fire, you are going to have changes in the storage of carbon and other important nutrients in the solids so FORWARD is really focused around the soils. Understanding those changes in the soils is the basis in the modeling effort we have for predicting how that will change quantity and quality of surface water."

Information gathered before and after fires and harvesting will be used to create computer models that should provide fairly accurate predictions of the effects of

different harvesting strategies and natural disturbances. The U of A's environmental engineering program is a world leader in the area, using its strength in artificial intelligence to create models that mimic real-world events.

Smith uses artificial neural networks that connect the dots between different sets of circumstances and "allow us to predict water quality changes."

Creating the models is a detailed task that needs to take any number of variables, such as precipitation rates, soil type, ground cover, ground slope, temperatures, and evaporation rates into consideration. The research team will draw on considerable amounts of research already conducted on the terrain they're studying – in some cases a single piece of information reveals much more information about a certain area. If certain types of trees are growing in a particular area, researchers have a good idea of what soil types and other plants will be found in that area, and what conditions allow their continued growth.

"Quite a bit of information can be gained by looking at work already done by different agencies. And there is a lot you can interpret from aerial photos and satellite images," Smith said.

"We are using all that information to see if we can predict changes in water quality and quantity," he added.

The research will help forestry companies peer into the future and plan, in the short term, for about 10 years, and the long term, usually about 100 years, said Smith.

"So we are looking at what is going to happen in the northeast slope region – things like what effect climate change could have in 100 or 200 years, what impact will fires and oil and gas exploration have, and then on top of that, what effects different harvesting and regrowth designs will have."

"This is really what the whole concept of multidisciplinary science and practice is all about."

It's also about partnerships between researchers, government and industry. The FORWARD project is sponsored by NSERC and Millar Western.

The forestry firm's chief forester, Jonathan Russell, says Millar is the only company conducting research on this scale. "We have two Canada Research Chair involved, four principal investigators and we have – I don't know how many graduate and undergraduate students. This is a very big project," he said.

"If I have been charged by the people of Alberta through our forestry management agreement to remain sustainable I can't just look at it as a timber supply issue. I have to look at issues that will impact on that forest supply over 200 years and that is what our forest management plan does, it looks at all those issues."

Prepas says FORWARD is a long-term project.

"The infrastructure is now in place for some nice long term studies and some additional experimental work. The intention is this will be a project that will have a long-term legacy." ■

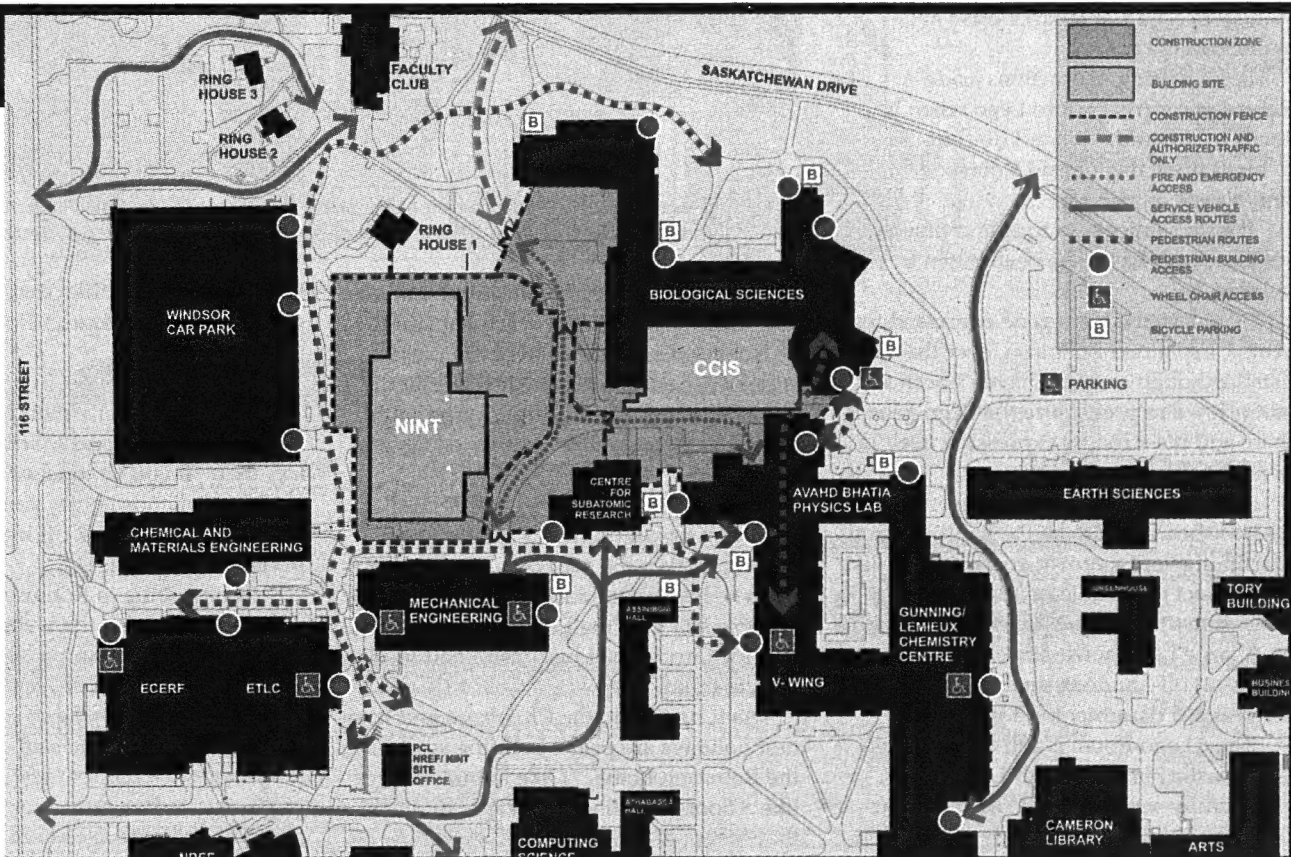
## CONSTRUCTION AHEAD

During the last week of March construction crews will begin erecting fencing around the building sites for the National Institute of Nanotechnology (NINT) and the Centennial Centre for Interdisciplinary Science (CCIS). The fencing is a safety measure to protect people in the vicinity of the construction zone. To accommodate the fencing, current pedestrian routes will be temporarily changed, as indicated in the map right. Signs will indicate pedestrian routes. Bike racks have also been relocated, as indicated.

Please take a moment to familiarize yourself with these changes. The fence around the CCIS site will remain until April 2005 and the fence around the NINT site until August of 2005.

### IF YOU HAVE ANY QUESTIONS PLEASE CONTACT:

Emily P Rowan  
Office of Public Affairs, 6-89 GSB  
phone: 2-3024  
e-mail: emilyp.rowan@ualberta.ca





## The house that Lego built

*Frank Robinson is a poultry researcher by day. To unwind, he plays with Lego.*

By Cynthia Strawson

It's been a long day. You head home, weary. Then what? Turn on the TV for a few hours of blissful situation comedy? Not if you're Dr. Frank Robinson.

A University of Alberta poultry management and physiology specialist by day, Robinson's after-work time is split between his Lego obsession, choral singing, book writing and the duties that come with being "the sire of four soccer children." Add to that his role as associate chair (academic) in the Department of Agricultural, Food and Nutritional Science, student advisor and chicken gynecologist (his own term for his research work), and you can see he's a busy guy.

In the past three years Robinson earned a Student's Union Award for Leadership in Undergraduate Teaching Excellence (SALUTE), consistently earned teaching scores in the high fours, has co-authored two books on poultry management, garnered nearly \$1 million in research grants and taken his poultry evangelism around the globe, from South Africa to Holland to Brazil.

Robinson's Lego layer runs deep, beginning 38 years ago as a youngster playing with his twin brother John in their small Aladdin Windsor-style home in rural Saskatchewan during the 1960s. "I was about eight when I started playing with Lego," Robinson recalls. "We were quite poor and all my brother John and I had was some Lego and the catalogues from the Aladdin Home company. So we would follow the floor plans in the catalogue and build mini houses."

While that early start led brother John into a successful career in architecture, Robinson took a turn into poultry but maintained "a latent interest in Lego and Aladdin homes." In fact, in his spare time last year, Robinson modeled his Lendrum bungalow in the style of the 1928 Aladdin Windsor-style home he was raised in and is in the process of seeking out others who grew up in the houses or have stories to tell about them.

"My brother and I are writing a book about the Aladdin-Windsor," he said excitedly, treating the house name as if it were all one word. We've even got a website and people have started writing in with stories about their own Aladdin-Windsors. The Canadian House of Windsor!"

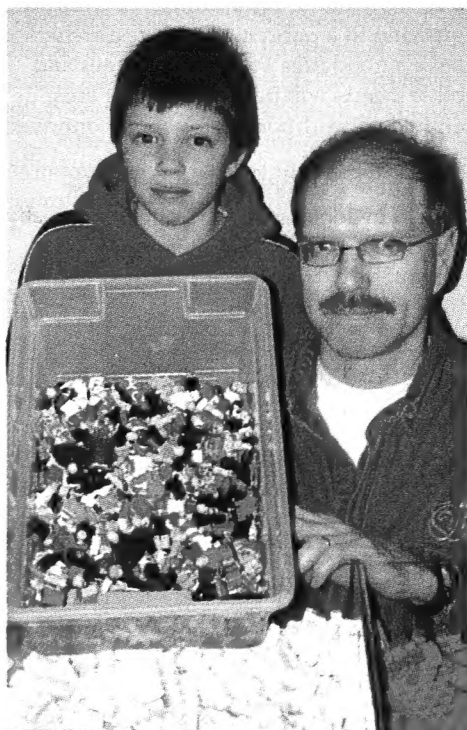
Book writing distractions aside, Robinson reverts back to Lego when he needs to unwind. "When I do find the time to build these days," said Robinson, "I do find it very relaxing."

It's also a nice way to spend time with his kids, who have also been bitten by the Lego bug.

"I've had the Lego gene expressed for years," explained Robinson, ever the scientist. "Although our kids haven't been tested for it we're pretty sure the Lego gene is there and it's strongly expressing itself in at least one of the four."

A quick look into the Robinson's "Lego Room" shows that to be the truth. His son Martin digs out a brown and black ant-like Lego insect that's at least 10 inches long. "This is my favourite bug," he said proudly. A large Lego house sits on the table and Robinson off-handedly mentions that their six-year old daughter built it.

Their Lego Room is full of plastic bin after plastic bin filled with Lego pieces, all carefully separated by colour or function. You'll find a bin of body parts, a bin



He knows where the bodies (shown in their proper place, above) are. And Dr. Frank Robinson, shown here with son Martin, knows where every other piece of Lego in the house is too. An award-winning teacher, Robinson also sings, writes and takes on soccer-parent duties.



of tree parts, a bin of architectural features like winding staircases, which happen to be Robinson's personal favourite piece. Almost every square inch of space on the family's ping-pong table is covered with bins of Lego and more are stacked against the wall.

Just to keep track of all the pieces, Robinson has developed a spread sheet that catalogues the 100,000-plus pieces of Lego he has accumulated over the decades. "People still give me Lego for my birthday and for Christmas. I just wish I had more time to build."

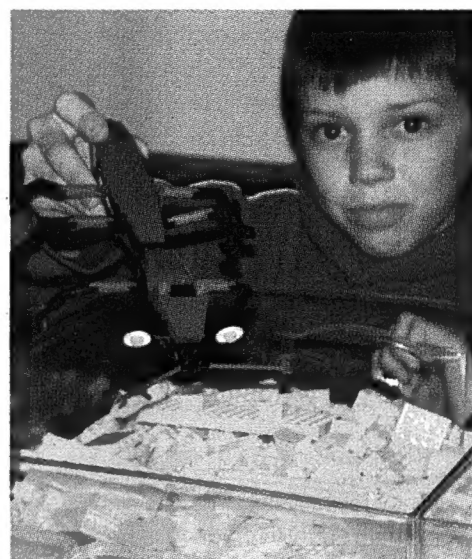
As it turns out, the Christmas and summer holidays are prime building seasons in the Robinson home. "I like to build things like a floor-to-ceiling skyscraper or a boat that covers that whole table." And how

long does a project like that take for a Lego guru? "About 40 hours," Robinson said nonchalantly.

His children do get in on the action but are careful not to mix their Mega-Blocks in the Lego. Katie and Martin chime in together, "if you've touched Mega-Blocks, wash your hands before you touch the Lego" and then break off into laughter. Robinson just smiles.

To contribute to Robinson's Windsor Aladdin book, visit the website at [www.aladdinwindsor.ca](http://www.aladdinwindsor.ca).

(Ultimate R & R is a regular feature in Folio profiling the unique off-campus passions of university faculty and staff. If you have a story suggestion contact Geoff McMaster at [geoff.mcmaster@ualberta.ca](mailto:geoff.mcmaster@ualberta.ca) or Richard Cairney at [richard.cairney@ualberta.ca](mailto:richard.cairney@ualberta.ca).)





# In praise of Citizen Oprah

English professor finds talk show celebrity gently subversive

By Geoff McMaster

Often dismissed by her critics as the high priestess of a self-serving brand of pulp-spirituality, talk show host Oprah Winfrey in fact engages in subtle forms of cultural and social activism, says Dr. Daphne Read.

"I am not making claims that Winfrey's work is radical in political terms," Read said. "But I do think, on the evidence of her response to Sept. 11 and the war against Iraq, her commitment to ending violence against women, and the work of the book club, that she can't be dismissed easily as 'just a women's talk show host' or a television entertainer or a superficial celebrity."

Read spoke last week in the second of two Broadus Lectures, the University of Alberta English Department's showcase annual lecture series. In the first lecture, she addressed the cultural phenomenon of Oprah's now-defunct book club, and the role it played in promoting "everyday literacy."

Read is now writing a book on the cultural icon, inspired by her course, Reading Oprah.

Read admits Winfrey's interventions in American culture and politics are often problematic, that her daytime talk show has at times merely reinforced mainstream American consensus on issues such as the war in Iraq.

But the most powerful woman in the American entertainment industry has also provided airtime for legitimate debate at a time when dissension was seen as unpatriotic, said Read.

In the immediate aftermath of the attacks on the World Trade Center on Sept. 11, 2001, the Oprah show, like all mainstream media, "was very closely tied to the Bush administration's response and the media rhetoric of America Under Attack," she said. Winfrey even acquiesced to a request from the White House to put American First Lady Laura Bush on the show.

Within a week, however, the content of Winfrey's forum began to diverge from the purely consensual, giving voice to a much wider range of views. A show called *What Really Matters Now? Thinking Women Share Their Insights*, says Read, "ran the political and cultural gamut, from Republicans and Democrats to feminist activists in different spheres, to journalists and poets."

"What this show did was focus on women as participants in the public sphere; it was a call to Oprah's audience to think critically about the current situation and to learn more about the world and their place in it. The Oprah show opened up a space for critical dialogue in ways that most outside critics do not recognize."

In the days preceding Bush's declaration of war on Iraq, says Read, Oprah's show "played a significant role in balancing consensus and dissent." She invited the controversial documentary filmmaker Michael Moore on her show, airing a clip from his award-winning *Bowling for Columbine* that outlines a litany of American foreign policy abuses.

She also included a show titled *Anti-Americanism - Why Do So Many Dislike the U.S.* that was praised by Globe and Mail television critic John Doyle for its "amazing" perspectives. "At a time when the consensus in American television is that everybody should pull together and support the men and women in the U.S. military, what Oprah Winfrey did was outright subversion."

For all of the controversy, however, Winfrey has always tried to avoid taking sides, said Read.

She is acutely aware of her role as mentor for millions of American women,

men and youth and is not interested, at least overtly, in politics and political activism: "She is careful not to be construed as unpatriotic in any sense, which is one reason I think she skillfully uses the words of others to articulate contentious issues."

But because Oprah owns her own production company and controls enormous wealth, she has a certain autonomy other broadcasters and journalists don't have, adds Read.

She views herself as a citizen of the world and has used her celebrity status to help children in South Africa and elsewhere through the Oprah Winfrey Foundation, her private charity.

"Over her career as talk show host, Winfrey has set out to become the exemplary public individual," said Read.

But even that role has not escaped criticism. As one critic pointed out in last October's *Essence* magazine: "Only in America, where racial stereotypes still resonate, could Oprah's appeal be based partly on the fact that she exudes the comforting, nurturing energy of the mother figure who will make everything right." ■

Talk-show queen Oprah Winfrey goes far beyond what is expected in daytime television, a U of A professor says.

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12302 Stony Plain Rd.  
488-6622

Edmonton City Centre  
10200 - 102 Ave.  
421-4540

##### NORTH

Costco North  
993-5188

12924 - 97 St.  
473-2355

##### EAST

Capilano Mall  
(outside entrance by Safeway)  
450-6880

6558-28 Ave.  
440-2812

6839 - 83 St. (Argyll Rd.)  
465-5271

##### SOUTH

6031 - 103 St.  
438-2355

9128 - 51 Ave.  
438-5114

South Edmonton Common  
485-9812

South Edmonton Common  
(inside Superstore)  
701-3355

Southgate Centre  
434-5620

Costco South  
909-4544

9261 - 34 Ave.  
702-6001

Hub Mall  
9004 - 112 St.  
970-3608

##### WEST

West Edmonton Mall Phase II  
(by skating rink)  
413-9855

West Edmonton Mall Phase III  
(by London Drugs)  
443-3022

10013 - 170 St.  
408-8917

10608 - 170 St.  
489-2255

Costco West  
907-0330

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6104 - 50 St.  
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# talks & events

Submit talks and events to Cora Doucette by 3 p.m. Thursday one week prior to publication. **Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.**

#### UNTIL MAR 24 2004

**Social Anxiety & Shyness Group** Do you feel ANXIOUS when you are: Public Speaking, meeting strangers, eating in public places, talking to people in authority, participating in class or small groups, speaking to members of the opposite sex or looking at people very well in the eyes? If so, join our social Anxiety & Shyness Group. Phone 492-5205 or drop by to sign up! Location: Student Counselling Services, 2-600 SUB. 2 to 4 p.m.

#### UNTIL MAR 27 2004

**The Alcuin Awards for Excellence in Book Design in Canada 2002** The Fine Arts Building Gallery presents the winners of 2002 for Excellence in Book Design in Canada. Regular Gallery hours are Tuesday to Friday, 10 a.m. to 5 p.m. and Saturday, 2 to 5 p.m. The Gallery is closed on Sunday, Monday and statutory holidays. Location: Fine Arts Building Gallery, room 1-1 Fine Arts Building, University of Alberta, 112 street and 89 avenue, Edmonton.

#### UNTIL APR 07 2004

**Academic Support Centre** Drop-in Study Help. FREE service. Tuesdays 10:30-11:15 a.m. Wednesdays 2-3pm. Located in 2-702 SUB. Mar.30. First come, first served. Come talk to one of our instructors about your study questions! Location: 2-717 SUB.

#### UNTIL APR 16 2004

**2004 Spring Educational Session for Older Adults** A well-balanced educational program covering a wide variety of non-credit courses has been planned for members to learn about and expand their interests in the arts and sciences, humanities, current affairs, music, literature, writing and matters of concern about seniors. Physical activity programs are scheduled to open and close the day and a series of noon hour Special Events will provide members with "learn at lunch" programs on popular topics and music. University of Alberta professors and experts from the community will present the classes. Enrollment in the Annual Spring Educational Session for Older Adults is restricted to members only. An annual membership fee, currently \$20.00 is all that is required. No other pre-requisites are necessary other than a desire to learn in a friendly environment. Registrations currently being taken, until April 16, 2004. Classes are from May 3 to May 21, 2004. To become a member or obtain further information please contact the ELLA office located on the fourth floor of the University of Alberta Extension Centre, or phone (780) 492-5055. Location: Most classes and noon programs are held in the Education Centre - 87 Avenue between 112 and 114 Streets.

#### MAR 19 2004

**Department of Biological Sciences** Dr. Margo Moore is an Associate Professor with the Department of Biological Sciences at Simon Fraser University, Burnaby, BC is giving a seminar in Room M-137 of the Biological Sciences Building on "Microbial communities in the wetlands of the Athabasca oils sands: genetic and metabolic characterization." Department of Biological Sciences, University of Alberta, Microbiology/Cell Biotechnology RIG Guest Speaker. Location: M-137 Biological Sciences Building. 11 a.m. to 12 p.m.

**Biology 631 Seminars in Ecology** Dr. Steve Hruddy will be presenting a seminar on "Drinking Water Safety in Canada - Saving a Victim of Success". Location: Biological Sciences M 141. 12 p.m. to 1 p.m.

**FREE Brown Bag Lunch Seminar: Looking for Work as a Substitute Teacher** Location: 2-100 SUB. 12 p.m. to 1 p.m.

**University Teaching Services** Blended Learning: Pitfalls and Possibilities. Blended learning is the term given to a course where part of the teaching occurs in a classroom and part occurs online. Have you done this? Or have you added online components to your classroom courses? Have your students complained? Come and share your triumphs and learning. Facilitator: Margaret Haughey, Educational Policy Studies. Time: noon to 1 p.m. Location: CAB 219. Website: [www.ualberta.ca/~uts](http://www.ualberta.ca/~uts) Location: 219 Central Academic Building. 12 p.m. to 1 p.m.

**Seminar: Onward to Mars.....But, wait! Do you have enough power?** Mechanical Engineering seminars. Venue: MEC E 2-3 Informal Mixer: 2:15 - 2:30 pm Seminar: 2:30 - 3:30 p.m. Location: E 2-3 Mechanical Engineering. 2:15 to 3:30 p.m.

**Department of Physiology** Department of Physiology, Faculty of Medicine and Dentistry. "To fold or not to fold: unfolding the peripheral

trafficking defect of CFTR." Speaker: Dr. Gergely Lukacs, Senior Scientist, Hospital for Sick Children, University of Toronto. Location: 207 Heritage Medical Research Centre. 3 to 4 p.m.

**Departmental Seminar** The Department of Biological Sciences is pleased to present André Desrochers, directeur, Centre de recherche en biologie forestière, Université Laval. Dr. Desrochers' seminar, entitled "What Makes a Forest Bird Respond to Landscape Structure?", will take place at 3:30 p.m. on Friday, March 19; refreshments served at 3:15 p.m. This event is hosted by Dr. Susan Hannon. Location: M 145 Biological Sciences Building. 3:30 p.m.

**From Foe to Phantasm: The Mythization of the East in Classical Athens** Lecture by Margaret Miller, University of Toronto. All Welcome. Location: Business 1-10. 3:30 p.m. to 5 p.m.

**Molecular Biology and Genetics Group Seminars** C. Mannella of the Wadsworth Center N.Y. will be presenting a seminar on "Electron tomography of mitochondria." Location: Biological Sciences M 149. 3:30 p.m.

**Conversations about Ethics** "Conversations about Ethics." Ethics is more than the REB requirements. Come to listen to Dr. Lisa Givens (SLIS), Dr. Vangie Bergum (Nursing), and Dr. Cora Weber-Pillwax (Ed Policy) discuss their views of ethical practice and the ethical challenges in their areas of research. This event will be casual and participatory. Refreshments will be provided. Location: 10th floor lounge - Education South. 4 to 6 p.m.

**Sociology Department SIPS** (Sociology In Process: A Working Paper Series). "Choice and Consent: Deciphering Meaningful Concepts in the Social Study of Sex" Presentations by Melanie Beres and Kara Granzow, moderated by Rosalind Sydye. Sociology In Process is an informal, participatory gathering for conversations within the Department regarding questions, problematics, provocations and troubles in the context of research, writing and pedagogy. Location: Tory 5-15. 4 to 5:45 p.m.

**University of Alberta Jazz Choir: Happnin'** Liana Bob, director Please note: All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information (after office hours a recorded message will inform you of any changes to our schedule). Location: Arts Building/Convocation Hall. 8 p.m.

#### MAR 20 2004

**Career and Placement Services (CaPS)** Creating a Teaching Application Package. Location: 4-02 SUB. 9 a.m. to 12 p.m.

**Academic Support Centre** Read Textbooks the Expert Way. \$30. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB.10 a.m. to 12 p.m.

**Academic Support Centre** Make the Best Use of Your Memory. \$30. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB.1 to 3 p.m.

**Building a Teaching Portfolio** Location: 4-02 SUB.1 to 3 p.m.

**Philosopher's Cafe** Topic: Ageism: Taking The Glow Off The Golden Years. Speaker: Dr. Sheree Kwong See, Assoc Chair Under Grad Program Department of Psychology. Moderator: Dr. Martin Tweedale, Professor Emeritus, Department of Philosophy. It's an opportunity offered to the public to drop-in and participate in stimulating conversation about a topical or philosophical issue. Admission is free, although participants are expected to purchase food and/or beverages. Location: Nina's Restaurant 10139 - 124 Street. 2 to 3:30 p.m.

#### MAR 21 2004

**Looking for Teaching Positions** Location: 4-02 SUB. 10 to 11:30 a.m.

**Interview Skills for Students in Education** Location: 4-02 SUB. 12:30 to 3 p.m.

**Music at Convocation Hall** Guillaume Tardif, violin Jacques Després, piano Works by Wolfgang Amadeus Mozart, Ludwig van Beethoven, Henri Wieniawsky and Alexina Louie Please note: All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information (after office hours a recorded message will inform you of any changes to our schedule). Location: Arts Building/Convocation Hall. 8 p.m.

#### MAR 22 2004

**Department of Biological Sciences/Faculty of Science** Microbial communities in the wetlands of the Athabasca oil sands: genetic and metabolic characterization. Dr. David Bressler, Joint Appointment, Assistant Professor, Bio/Food Engineering,



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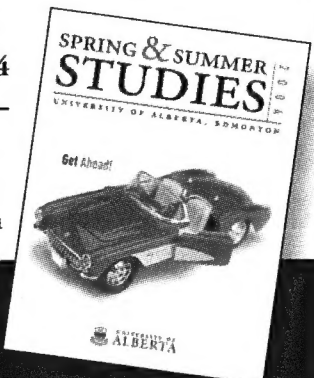
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Agricultural, Food and Nutritional Science, University of Alberta and Research Scientist, Centre for Agri-Industrial Technology, AAFRD, is giving a seminar on Monday, March 22nd at 11:00 a.m. in Room M-137 of the Biological Sciences Building on "Bioprospecting for Petroleum Upgrading Biocatalysts," for Micrb 606/607 and the Biological Sciences Microbiology and Cell Biotechnology Research Interest Group. Location: M-137 Biological Sciences Building. 11 a.m. to 12 p.m.

**Academic Support Centre** Ten Tips for Reducing Exam Anxiety. \$5. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB. 12:30 to 1 p.m.

**General Faculties Council Meeting** New Business: Aboriginal Student Policy (Section 108.13 of the GFC Policy Manual)/Proposed Changes Submitted by the Vice-Provost and Dean of Students: Recommendation of the GFC Executive Committee; Office of the Dean of Students/Proposed Changes to GFC Policies (Sections 11.9 and 50.5 of the GFC Policy Manual) Concerning the Admission of Aboriginal Applicants: Recommendation of the GFC Academic Planning Committee (APC); Vice-President (Research) Presentation: Linking Teaching and Research; Vice-President (Facilities and Operations) Presentation: Update on Sectors 3, 4 and 8. Location: 2-1 University Hall (Council Chamber). 2 p.m.

**Reading by Kimmy Beach** Beach is an honours graduate of our department. She has published two books with Turnstone Press. The first, *Nice Day for Murder*, deals with a stalker's passion for James Cagney. The second, *Alarum Within* (2003), makes marvelous comedy out of the experiences of a stage manager and also contains a touching set of poems about Mr. Dressup. Turnstone has accepted a third manuscript. Kimmy Beach is an extraordinarily gifted reader of poetry. This reading is made possible by a grant from the Alberta Foundation for the Arts. Location: HC L-3. 2 p.m.

**Public Lecture: Tory Chair Candidate Dr. Morris Altman** The Ethical Economy and Competitive Markets: Reconciling Altruistic, Moralistic and Ethical Behaviour with the Rational Economic Agent and Competitive Markets. Tory Breezeway, TBW-1. 3:30 to 5 p.m.

**Master of Music Recital: Junelle Rayne, saxophone** Please note: All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information (after office hours a recorded message will inform you of any changes to our schedule). Location: Arts Building/Convocation Hall. 8 p.m.

## MAR 23 2004

**Academic Support Centre** Ten Tips for Reducing Exam Anxiety. \$5. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB. 12:30 to 1 p.m.

**FREE Brown Bag Lunch Seminar: Summer Work Search** Location: 2-100 SUB. 12:30 to 1:30 p.m.

**Academic Support Centre** Workshops. Strategies for Oral Exams. \$20. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB. 2:30 to 3:30 p.m.

**University Teaching Services** Transforming Teaching Through Learning Tasks. Learning tasks encourage collaboration, open dialogue, and active learning. This session introduces participants to Jane Vella's principles and practices of learning tasks. Participants have an opportunity to reflect on the teaching we do in our specific disciplines, define and discuss learning tasks, and design activities that promote a learning-centred approach to teaching. Presenter: Cheryl Whitelaw, Academic Technologies for Learning. Website: [www.ualberta.ca/~uts](http://www.ualberta.ca/~uts) Location: 281 Central Academic Building. 3:30 to 5 p.m.

**Interview Skills for Students in Agriculture, Forestry & Home Economics** Location: 4-02 SUB. 5 to 7:30 p.m.

**University of Alberta Indian Music Ensemble** University of Alberta Indian Music Ensemble Wasantic Paranjape, Director and University of Alberta West African Music Ensemble Robert Kpogo, Director. Location: Arts Building/Convocation Hall. 8 p.m.

## MAR 24 2004

**Student Interviews** Student Interviews and other information can be placed in this field. Location: E6-050 Engineering Teaching and Learning Complex (ETLC). 9 to 4 p.m.

**Academic Support Centre** How to Set Up a Study Schedule for Final Exams. \$20. Please bring all exam dates and a list of topics that need to be studied. Must pre-register at the Academic Support Centre, 2-703 SUB. Location: 2-702 SUB. 11 a.m. to 12 p.m.

**FREE Brown Bag Lunch Seminar: Using the Internet to Find Work** Location: 2-100 SUB. 12 to 1 p.m.

**Career and Placement Services (CaPS)** For Graduate Students: Establishing a Career Outside of Academia (For Students in Arts & Related Areas).

Location: 4-02 SUB. 1:30 to 3:30 p.m.

**University Teaching Services** Managing Large Classes. Large-enrollment classes, in both face-to-face and online environments, can pose challenges for managing and administering the course as well as for structuring and managing activities. This session reviews strategies for managing large-enrollment courses with a focus on using the online tools available in the WebCT course management system. Presenter: Bob Boufford, Computing and Network Services. Website: [www.ualberta.ca/~uts](http://www.ualberta.ca/~uts) Location: 243 Central Academic Building. 3 to 4:30 p.m.

## MAR 25 2004

**Alberta Gaming Research Institute** First Nations/Indian Gaming Issues in North America. Presenter: Dr. Kate Spilde, Senior Research Associate, Harvard Project on American Indian Economic Development, Kennedy School of Government, and formerly, Director of Research for the National Indian Gaming Association. Topic: The presentation will include a discussion of Spilde's research addressing the social and economic impacts of Indian gaming in the United States. She will also examine the ways in which Indian gaming has been met with decidedly mixed reactions by the public in the US and outlines how these same issues might impact First Nations gambling in Alberta. Location: Telus Centre (Room 134), University of Alberta, Edmonton, Alberta Videoconference 1: Biological Sciences Bldg. (BI 587), University of Calgary Videoconference 2: Physical Education Bldg. (PE256), University of Lethbridge. 9 to 11 a.m.

**Centre for Neuroscience** Weekly Seminar Series. Dr. Ken Lukowiak, Dept. of Physiology & Biophysics, Univ. of Calgary will present a seminar titled, "Mechanisms of forgetting: Insights from a 'simple' neural system. This seminar will be chaired by Dr. Peter Nguyen. Location: Room 207 Heritage Medical Research Centre. 12 p.m.

**Career and Placement Services (CaPS)** For Graduate Students: Establishing a Career Outside of Academia (For Students in Science & Related Areas). Location: 4-02 SUB. 1:30 to 3:30 p.m.

**History and Classics** Colloquium Series. Dr. David Mattingly (University of Leicester) Topic: TBA. Location: Tory 2-58. 3:30 to 5 p.m.

**Centre for Neuroscience** Weekly Seminar Series. Dr. Norman Haughey, Dept. of Neurology, Johns Hopkins School of Medicine will present a seminar titled "Oxidative modification of lipid metabolism in HIV-Dementia: The Sinking of Lipid Rafts" .. chaired by Dr. Jack Jhamandas. Location: Room 207 Heritage Medical Research Centre. 4 p.m.

**Engineering Undergraduate Awards Donor & Recipient Reception** This celebration allows the Faculty of Engineering to recognize the accomplishments of many of our students. It also allows us to express our sincere appreciation to our donors for providing financial support for the most extensive scholarship and awards program in the country. To confirm your attendance: E-mail: [rsvp@gold1.engg.ualberta.ca](mailto:rsvp@gold1.engg.ualberta.ca) Event Contact: Rochelle Marshall Phone: 780.492.0500. Location: Faculty Club. 4 to 6 p.m.

**Environmental Research and Studies Centre** Climate Change: Adaptation, Impacts and Vulnerabilities. Dr. David Sauchyn, University of Regina, "Recent and forecasted changes in prairie hydroclimate." Location: Dentistry Pharmacy, room 2022. 4:30 p.m.

## MAR 26 2004

**Teaching Sociology: A Colloquium Series in the Department of Sociology** "A course in sociology: Tactics and Techniques," featuring Susan McDaniel, University Cup Recipient. Location: Tory 5-15. 11 a.m. to 1:45 p.m.

**Biology 631 Seminars in Ecology** Dave Sauchyn will be presenting a seminar on "A drought chronology from tree rings from the boreal forest and island forest on the northern plains". Location: Biological Sciences M 141. 12 to 1 p.m.

**Department of Physiology** Speaker: Dr. Richard Horner, Assistant Professor, Departments of Medicine and Physiology, University of Toronto. "Central mechanisms modulating motor outflow to respiratory muscle across natural sleep and awake states." Location: 207 Heritage Medical Research Centre. 12 to 1 p.m.

**History and Classics Colloquium Talks** Seminar presented by Dr. Scot Peterson: Into the Sun? Reflections on a Canadian Air Power. Location: Tory 2-58. 12 to 1 p.m.

**Seminar: Carbon emission trading and its influence on power industries** Prabir Basu Mechanical Engineering Dalhousie University. Location: MEC E 2-3 Mechanical Engineering. 2:15 to 3:30 p.m.

**Molecular Biology and Genetics Group Seminars** Luc Berthiaume of the U. of A. Department of Cell Biology will be presenting a seminar. Location: Biological Sciences M 149. 3:30 p.m.

## MAR 27 2004

# Call For Letters of Intent AHFMR Programs in Health Services Research



In collaboration with Alberta Health and Wellness, AHFMR is initiating this Call for Proposals to develop competitively awarded long-term (up to five years) Programs of Health Services Research to inform policy and decision-making in areas of interest (themes) to the province. At the same time, this initiative will contribute to the development of Alberta-based or -linked research capacity to address the research information needs of these themes in the future.

AHFMR invites individuals/organizations interested in applying for funding to submit a Letter of Intent by **June 1, 2004**.

This Call for Letters of Intent is a competitive process. Based on the opinions of expert reviewers, AHFMR will invite formal proposals from selected applicants. To be successful in the competition at the Letter of Intent stage, and later at the formal proposal stage, projects must meet the following criteria:

- Applications must be submitted by investigative teams which include both researchers and decision-makers and/or users of health research information. The principal investigator, or one of the co-principal investigators, and some members of the research group should be directly affiliated with a not-for-profit Alberta institution or organization that will be responsible for the administration of the funds awarded.
- Four theme areas will be supported: **Continuum of Care and Delivery Models; Information Management and Information Technology for Health Improvement; Financing and Public Expectations; Governance and Accountability**. These are the key areas of interest for Alberta that were reviewed through the 2002 State of the Science Reviews program.
- Proposals will be evaluated on the basis of: the quality of the investigative team, the potential impact of the Program on the health system, the potential added value provided by the programmatic approach, and the scientific quality of the proposed research.

## FOR MORE INFORMATION OR TO OBTAIN LETTER OF INTENT GUIDELINES, PLEASE CONTACT:

Dr. Jacques Magnan, Ph.D.  
Vice President, Programs, AHFMR  
Suite 1500, 10104 – 103 Avenue  
Edmonton, Alberta T5J 4A7  
(780) 423-5727 (phone)  
(780) 429-3509 (fax)  
[jacques.magnan@ahfmr.ab.ca](mailto:jacques.magnan@ahfmr.ab.ca)



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Large Enrolment Initiative  
visit ATL's Website:

**www.atl.ualberta.ca**

Or contact Ellen Whybrow at:  
ellen.whybrow@ualberta.ca

**Deadline for proposals: April 15, 2004**

**Resume Writing for U of A Students** Location:  
4-02 SUB. 9:30 a.m. to 12 p.m.

**Academic Support Centre** Strategies for  
Learning Anatomy & Physiology. \$30. Must pre-reg-  
ister at the Academic Support Centre, 2-703 SUB.  
Location: 357 CAB. 10 a.m. to 12 p.m.

**Academic Support Centre** Exam Strategies. \$30.  
Covers how to prepare for and take multiple choice,  
short answer, essay, and problem solving exams. Must  
pre-register at the Academic Support Centre, 2-703  
SUB. Location: 2-702 SUB. 10 a.m. to 12 p.m.

**Academic Support Centre** Study Strategies.  
\$40. Covers practical time management, reading,  
note-taking, and memory strategies. Must pre-reg-  
ister at the Academic Support Centre, 2-703 SUB.  
Location: 2-702 SUB. 1 to 4 p.m.

**Interview Skills for U of A Students** Location:  
4-02 SUB. 1 to 3:30 p.m.

**University of Alberta Symphonic Wind**  
Ensemble with Northern Alberta Honor Band  
William H Street, Director Please note: All concerts  
and events are subject to change without notice.  
Please call 492-0601 to confirm concert information  
(after office hours a recorded message will inform  
you of any changes to our schedule).  
Location: Arts Building/Convocation Hall. 7 p.m.

### MAR 28 2004

**Alumni Memorial Service** The University of  
Alberta Alumni Association remembers and hon-  
ours alumni who have passed away during 2003.  
The Chaplains' Association and the U of A Mixed  
Chorus also participate in this Christian Service.  
Location: Convocation Hall. 2 to 3 p.m.

**Strathcona Society Reception** Reception for  
Strathcona Society donors prior to the music event  
at the Winspear Centre. Location: Winspear Centre.  
6:30 to 7:30 p.m.

**University Symphony Orchestra** University  
Symphony Orchestra with University of Alberta  
Madrigal Singers and University of Alberta Concert  
choir Tanya Prochazka, Conductor Please note: All  
concerts and events are subject to change without  
notice. Please call 492-0601 to confirm concert  
information (after office hours a recorded message  
will inform you of any changes to our schedule).  
Location: Winspear Centre for Music. 8 p.m.

### MAR 29 2004

**Spring Session 2004 Registration Deadline**  
The Green and Gold Soccer Academy will soon be  
taking registrations for the Spring Session - 2004.  
Please check below for information and registration  
form (pdf) in the coming days. The deadline for reg-  
istration is Monday, March 29, 2004. However, inter-  
ested parents and/or players are advised to register  
now, as space is limited. Cheques may be made  
payable for March 29, 2004 and Visa/ Mastercard  
numbers will only be processed on this date. Please  
download the registration form below, print it out,  
complete the information, and return in person,  
mail or fax to: Activity Registration Zone - Sales  
Office W-79 Van Vliet Centre University of Alberta  
Edmonton, Alberta, T6G 2H9. Phone: 780-492-2231,  
Fax: 780-492-7190. Location: TBA.

**FREE Brown Bag Lunch Seminar: Cover  
Letters & Other Work Search Letters** Location: 2-  
100 SUB. 12 to 1 p.m.

**Noon Hour Organ Recital** The recital pres-  
ents a variety of organ repertoire played by  
students, faculty and guests of the University of  
Alberta. Please note: All concerts and events are  
subject to change without notice. Please call 492-  
0601 to confirm concert information (after office  
hours a recorded message will inform you of any  
changes to our schedule). Location: Arts Building/  
Convocation Hall. 12 p.m.

**Academic Support Centre** Effective Exam  
Writing Tips. \$5. Must pre-register at the Academic  
Support Centre, 2-703 SUB. Location: 2-702 SUB. 12:  
30 to 1 p.m.

**Academic Support Centre** Strategies for  
Multiple Choice Exams. \$20. Must pre-register at  
the Academic Support Centre, 2-703 SUB. Location:  
2-702 SUB. 2 to 3 p.m.

### MAR 30 2004

**Copyright Training: Preparing Your  
Print Course Materials** The University's Access  
Copyright (formerly CANCOPY) license has recently  
been re-negotiated. Come and learn about pho-  
tocopying under this license and hear about  
recent changes. Also learn how to prepare your  
course pack easily and legally. Topics: \*Access  
Copyright License: What is it? and What's New?  
\*Preparing a course pack on campus \*Filling in a  
photocopy log: Going Digital Register via email  
to learnsrv@ualberta.ca Cost: Free. Location: Telus  
Centre, Rm 134. 10 a.m. to 12 p.m.

**Academic Support Centre** Effective Exam  
Writing Tips. \$5. Must pre-register at the Academic  
Support Centre, 2-703 SUB. Location: 2-702 SUB. 12:  
30 to 1 p.m.

**Academic Support Centre** Strategies for Short  
Answer & Essay Exams. \$20. Must pre-register at the  
Academic Support Centre, 2-703 SUB. Location: 2-

702 SUB. 2 to 3 p.m.

### Kings, Kinship and Killer Worms

The Medieval and Early Modern Institute is pleased  
to announce a talk by Professor Michael Fox of the  
Department of English, entitled "Kings, Kinship and  
Killer Worms: The Sigemund/Heremod Digression  
in Beowulf." The talk will be given in Humanities  
Centre L-3. 3:30 p.m.

### Hear's to Your Health Concert Series

Department of Music Faculty of Arts University of  
Alberta For Immediate Release: March 1, 2004 A  
free chamber music concert open to the general  
public, in the "Hear's to your Health Concert Series",  
jointly sponsored by the Department of Music  
and the Faculty of Medicine and Dentistry, and  
GlaxoSmithKline, will be presented on Tuesday,  
March 30 at 5:00 pm, in the first floor foyer to  
Bernard Snell Auditorium, University of Alberta  
Hospital, 112 Street entrance. The program, hosted  
by David Cook, will include the Mozart "Kegelstatt"  
Trio for clarinet, viola and piano, the Milhaud Suite  
for clarinet, violin and piano and selections from  
Bruch Pieces, op. 83 for clarinet, viola and piano.  
Patricia Tao, piano and Aaron Au, viola and violin  
from the Department of Music will be joined by  
special guest artist John Mahon, clarinet. Please  
note this is a free concert open to the general  
public and will be held on a Tuesday at 5:00 PM  
rather than the usual Wednesday. - 30 - For more  
information contact: Gladys Odegard 487 - 4188  
gladysco@shaw.ca Location: Foyer to Bernard Snell  
Auditorium, University of Alberta Hospital. 5 p.m.

### MAR 31 2004

#### Staff Orientation to the University

ACADEMIC AND SUPPORT STAFF are invited to  
attend ORIENTATION TO THE UNIVERSITY on  
WEDNESDAY, MARCH 31, 2004, 9:00 am - 3:30 pm.  
By attending this orientation session you will have  
the opportunity to: Hear what UofA leaders have to  
say about our mission and vision; Learn about con-  
tracts, professional development opportunities and  
campus services; Enjoy a complimentary lunch, net-  
work with other staff, and win great prizes! All new  
staff are encouraged to attend. If you have worked  
at the UofA for awhile but have not attended a  
previous orientation, you are welcome to join us on  
March 31st. ADVANCE REGISTRATION IS REQUIRED.  
For more information, or to download a registration  
form, visit: <http://www.hrs.ualberta.ca/orientation>  
Location: Lister Hall - 87 Avenue & 116 Street. 9 a.m.  
to 3:30 p.m.

#### Dept of Medical Genetics and AHFMR

Medical Genetics "Rounds"/Seminar Series Speaker.  
Dr. Marc Ekker, of the Ottawa Health Research  
Institute and the University of Ottawa will present,  
"Multiple enhancers regulating the expression of  
Dlx homeobox gene paralogs in the vertebrate  
forebrain". Location: Room 2-07 of the Heritage  
Medical Research Centre. 12 to 1:45 p.m.

#### Sigma Xi: The Scientific Research Society

Annual general meeting and banquet, with lecture  
by Bob Wolkow, Physics and NINT on "Learning to  
build nanoscale devices with molecules". Annual  
General meeting and banquet of the University of  
Alberta chapter of Sigma Xi. Open to all.  
Location: Faculty Club. 6:30 p.m.

#### PHS Grand Rounds

Guest Speaker: Professor  
Don Bursill Chief Executive Officer, Cooperative  
Research Centre for Water Quality and Treatment,  
Adelaide, Australia "Evidence Based Health Risk  
Management for Public Water Supplies." Location:  
Room 2-117, Clinical Sciences Building. 12 to 1 p.m.

### MAR 31 AND APR 01 2004

#### University Teaching Services

Microteaching for the IS Program The Instructional Skills (IS)  
Program offered through University Teaching  
Services allows participants to demonstrate their  
teaching skills to peers. Participants with a mini-  
mum of 25 hours of pedagogy are invited to give a  
10-minute microteaching presentation on a topic  
of interest to and understandable by your diverse  
audience. Presentations must be structured (intro-  
duction, body, conclusion) and rehearsed to fit the  
10-minute time slot. If you wish your presentation  
to be videotaped, please bring a blank VHS tape.  
As this is a requirement of the IS Program, registra-  
tion and attendance are compulsory. Presenters:  
IS Program participants Times: Wednesday, 31  
March 2004, 3:00 - 5:00 p.m. and Thursday, 1 April  
2004, 3:30 - 5:30 p.m. Location: CAB 219. Website:  
[www.ualberta.ca/~uts](http://www.ualberta.ca/~uts) Location: 219 Central  
Academic Building.

### MAR 31 - APR 03 2004

#### BFA Theatre Portfolio Show

This portfolio  
show is an opportunity for the public to see the  
pieces which combined create a stage experience.  
Come and see examples of artistry and skill from  
theatre designers, technicians and stage managers.  
Location: Second Playing Space, The Timms Centre.  
6 to 9:30 p.m.

### APR 01 2004

#### Centre for Neuroscience Weekly Seminar

Series. Dr. Victor Rafuse, Department of Anatomy  
and Cell Biology, Dalhousie University will pres-



ent a seminar titled, "Neural Stem Cells: The Good, The Bad, and the Very Ugly." Location: Room 207 Heritage Med. Research Centre. 12 p.m.

**Canadian University Research Over the Next 25 Years: The Future of Research in Science and Engineering** The University of Alberta and the Natural Sciences and Engineering Research Council of Canada (NSERC) are hosting a free public lecture on the next quarter century of science and engineering research in Canadian universities. In celebration of NSERC's 25th anniversary, and in recognition of its internationally acclaimed record of beneficial investments in innovative research in Canada, NSERC President Tom Brzustowski will present an overview on the focus of national funding in the next 25 years. Presentation by NSERC President Dr. Tom Brzustowski followed by 30-minute Q&A with audience. Coffee and juice will be available. Who should attend: This is an open invitation to the people most likely affected by the funding of science and engineering research, including: Graduate students involved in science and engineering research; Deans and Associate Deans, Chairs and Assistant Chairs; All researchers involved in science engineering research; Researchers in areas where interdisciplinary research with science and engineering is possible; All current NSERC grant holders (552 researchers); Administrative officers in relevant faculties and departments; NSERC's industry funding partners such as Syncrude, iCORE, TRLabs; NSERC's public sector funding partners such as AIS, WD, CFI, Alberta Ingenuity; University partners in the regional business community such as spin-off companies, EDE, Chamber of Commerce; Alumni of the faculties of Engineering; Science; and Agriculture, Forestry and Home Economics; Journalists reporting on science, technology, engineering and innovation; Anyone interested in the future of science and engineering research in Canada. Space is limited to the first 200 people, so come early to secure a seat! Location: ETL 1-013. 2 to 3:30 p.m.

**English, History/Classics, Religious Studies** The "Sacred" in Contemporary Cultures (Sixth Lecture). "Sacred Animals and Companion Animals: A Blurring of Boundaries"; a lecture by Professor Nancy Lovell, being the sixth talk in a series entitled "The 'Sacred' in Contemporary Cultures." Location: Humanities Centre, L-3. 3:30 p.m.

**NSERC 25th Anniversary Celebration at U of A** The University of Alberta will celebrate 25 years of funding from the Natural Sciences & Engineering Research Council of Canada (NSERC) with dignitary presentations, networking over refreshments and

hors d'oeuvre and recognition of 90 researchers at the U of A who have received continuous NSERC funding for all 25 years. Location: Faculty Club. 4 to 6:30 p.m.

**Master of Music Recital: Curtis Dueck, choral conducting** Please note: All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information (after office hours a recorded message will inform you of any changes to our schedule). Location: Arts Building/Convocation Hall. 8 p.m.

**APR 01 TO 03 2004**

**Children and War: Impact** Children and War: Impact (<http://www.arts.ualberta.ca/childrenandwar/>) April 1 to 3, 2004 University of Alberta Edmonton, Canada. The conference focuses on the need to protect children from war and to rehabilitate those who become victims of armed conflict. Keynote speakers will include Olara Otunnu, the UN Secretary General's Special Representative on Children and Armed Conflict, and Lloyd Axworthy, Canada's former foreign affairs minister and currently Director and chief executive officer of the Liu Institute for Global Issues at the University of British Columbia. The event is part of a three-year research project on Children and Armed Conflict being undertaken by Dr. W. Andy Knight, McCalla Research Professor in the Department of Political Science at the University of Alberta, and funded by United Nations University and the Social Sciences and Humanities Research Council of Canada. This part of the project examines the multidimensional scope of the impact that armed violence has on children in order to appreciate fully the extent of their need for protection and rehabilitation. For more information or to register, visit the conference web site at <http://www.arts.ualberta.ca/childrenandwar/> Location: University of Alberta Conference Centre. April 1 - registration: 5 p.m. Opening Keynote Address: 7:30 p.m.

**APR 02 2004**

**Teaching Sociology: A Colloquium Series in the Department of Sociology** "Teaching as a TA," featuring Erin Stepney, Shane Gannon and Anne Winkler. Location: Tory 5-15. 11:30 a.m. to 1 p.m.

**Biology 631 Seminars in Ecology** Kevin Floate will be presenting a seminar on "Cottonwoods, hybridization, and the response of their associated fall-formers". Location: Biological Sciences M 141. 12 to 1 p.m.

# positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit [www.hrs.ualberta.ca](http://www.hrs.ualberta.ca)

## DIRECTOR UNIVERSITY CENTRE FOR NEUROSCIENCE (RESTRICTED TO INTERNAL CANDIDATES ONLY)

The University of Alberta invites applications for the position of director, University Centre for Neuroscience. Formally established by the University of Alberta in 2001, the director is accountable to the provost and vice-president (academic); associate dean (research), Faculty of Medicine and Dentistry; dean, Faculty of Physical Education and Recreation; dean, Rehabilitation Medicine; and dean, Faculty of Science. The centre is increasingly recognized nationally and internationally for the outstanding research contributions of its members and its leadership in education and research. The successful candidate will be a full-time academic with a primary appointment in an area related to neurosciences.

The director will provide effective leadership and expertise over a broad array of activities aimed at strengthening the Neuroscience Centre's profile as an internationally recognized centre of excellence. The successful candidate will have an outstanding record of high-quality research and be a respected international authority in neuroscience research. The primary objective for the director is to foster a strong education program capable of attracting provincial/national support and outstanding students to the program.

The director will facilitate a consultative approach with the centre's academic and professional staff in the development of strategic plans, establish policies for research and educational programs, and be a strong advocate of the centre with internal and external stakeholders. This will include playing a leadership role in ensuring the long-term sustainability of the centre in seeking funding for administration and the support of graduate students and assisting in the recruitment of faculty members and graduate students in the field of neuroscience. The director will produce an annual report and review annually the performance of the centre with the deans of the supporting faculties.

The successful candidate will hold a PhD in a relevant discipline and demonstrated academic leadership in the neurosciences at the national and international level. Additional information about the University Centre of Neuroscience is available at <http://www.neuroscience.ualberta.ca/>

Applications, including a letter outlining a vision for the centre, a curriculum vitae and the names of three people who may be contacted for references should be sent by April 1, 2004 to: Dr. Joel H. Weiner, PhD, Associated Dean (Research), 2J2.11 WMC, University of Alberta, Edmonton, AB T6G 2R7.

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA).

For complete University of Alberta job listings visit:

[www.hrs.ualberta.ca/](http://www.hrs.ualberta.ca/)

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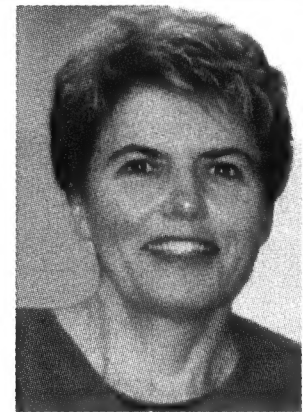
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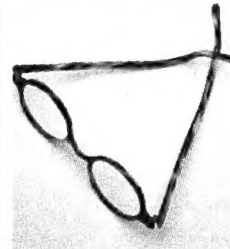


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Alberta Research Council

**Amanda Bodero**  
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**Keith Brown**  
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**Ian Chapman**  
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**Michael Colgan**  
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**Katharine Cross**  
Komex International Ltd.

**Brian Eaton**  
Alberta Research Council

**Abeba Jemere**  
Advanced Integrated  
Microsystems (Canada) Ltd.

**Guifeng Jiang**  
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**Takashi Kuboki**  
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**Mary Seto**  
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**Ashok Shrawat**  
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**Catherine Smith**  
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**Duane Stones**  
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FastTrack Technologies Inc.

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# notices

Please send notices attention Folio, 6th floor General Services Building, University of Alberta, T6G 2H1 or e-mail [publicaffairs@ualberta.ca](mailto:publicaffairs@ualberta.ca). Notices should be received by 3 p.m. Thursday one week prior to publication.

### JALISCO PARTNERSHIP DEVELOPMENT AWARD

The Jalisco Partnership Development Award was established to support continuing relationships with our priority partnerships in our sister state of Jalisco, Mexico. These are the Universidad Autonoma de Guadalajara, Universidad de Guadalajara, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM-Guadalajara campus) and CONAFOR (National Forestry Agency). The award supports innovative practices that strengthen these priority partnerships by providing start-up funds for new initiatives such as student and faculty exchange, research and cooperative teaching.

The fund allocates a maximum of \$10,000.00 per year. Single or multiple year proposals are acceptable, and all reasonable expenses can be considered for funding provided they are not supported by any other source. The competition is open to University of Alberta faculty and staff. Application deadline: Monday, May 3, 2004.

For more information, including application forms and terms of reference, please contact University of Alberta International, 1204 College Plaza, Edmonton.

Tel: 492-5840/e-mail: [Cecilia.martinez@ualberta.ca](mailto:Cecilia.martinez@ualberta.ca). Or visit our website: [www.international.ualberta.ca](http://www.international.ualberta.ca)

### INTERNATIONAL PARTNERSHIP FUND

The International Partnership Fund (IPF) was established to support University of Alberta faculty and staff participating in exchange activities with the university's many partner institutions around the world. The fund provides financial support to faculty and staff engaged in the development and/or implementation of activities that contribute to sustainable and reciprocal relations with international academic partners. Awards may be used for travel by either the U of A staff/faculty member to visit an international partner, or for the faculty or unit to support a visitor from the partner. The fund favours activities that develop projects bringing an international focus to the academic, research and teaching mandate, and contribute to the internationalization objectives of the faculty. Support from the IPF will ideally complement multiple funding sources. Matching support from the individual and/or the department/faculty and partner institution is required. Note: The IPF only applies to those institutions with which the U of A has a formal agreement. For guidelines, application forms and list of eligible partners, please contact: University of Alberta International, 1204 College Plaza, Tel: 492-5840/e-mail: [cecilia.martinez@ualberta.ca](mailto:cecilia.martinez@ualberta.ca), or visit our website: [www.international.ualberta.ca](http://www.international.ualberta.ca). Application deadline: Monday, May 3, 2004.

### DISTINGUISHED SCIENTIST AWARD

Dr. Raymond Egerton of the Department of Physics received the 2004 Distinguished Scientist Award for the Physical Sciences from the Microscopy Society of America, an affiliate of the American Institute of Physics. It is the society's highest honour, given annually in recognition of internationally recognized research and distinguished contributions to microscopy. The award will be presented at the society's annual meeting in Savannah, Georgia, Aug. 1-5.

### EFF – FSIDA (FUND FOR SUPPORT OF INTERNATIONAL DEVELOPMENT ACTIVITIES)

The deadline for receipt of applications to the EFF – FSIDA is 4:30 PM, 15 April 2004. The next competition deadline dates are Oct. 15, 2004 and Jan. 15, 2005. This Fund exists to enable staff and graduate students (normally PhD candidates) of the University of Alberta to participate in research and in the international transfer of knowledge and expertise through partnerships in developing countries. Applications and guidelines are available on the University of Alberta International website <[www.international.ualberta.ca](http://www.international.ualberta.ca)> under "International Cooperation" and "Funding Opportunities" or from the FSIDA Secretary at University of Alberta International, 1204 College Plaza, 8215-112 Street, telephone 492-6440.

### PHYSICS CHAIR SELECTION

The Chair Selection Committee for the Department of Physics has been established. Applications, nominations, suggestions, and comments are welcome. These can be submitted to the committee chair at the address below. The Department of Physics now has 41 faculty and a complement of approximately 40 support staff. Research programs focus in four areas (space, astrophysics and cosmology; geophysics and environmental physics; condensed matter and nanoscale physics; subatomic and particle physics). The department has a balanced complement of research in experimental, computation and theoretical physics. Many of these researchers and faculty are internationally recognized. Research funding is currently at about \$7 - 8 million per year. The undergraduate teaching programs remain strong, with substantial increases in enrolment over the last three years. The department's graduate studies pro-

gram also remains strong, with approximately 110 graduate students, up from 75 in 2001. Further information can be obtained from the department's web page [www.phys.ualberta.ca](http://www.phys.ualberta.ca). Applications, accompanied by a résumé and nominations, should be submitted by Friday, April 2, 2004 to Dr. Gregory Taylor, Chair of the Physics Chair Selection Committee, Faculty of Science, CW223 Biological Sciences, or by electronic mail to [gregory.taylor@ualberta.ca](mailto:gregory.taylor@ualberta.ca).

### BOARD OF GOVERNORS AWARD OF DISTINCTION

Nominations are being sought for volunteers who have made exceptional contributions in linking the university with the broader community. A volunteer from each of the academic staff, support staff and general public will be recognized with an award. Nomination deadline is May 3, 2004. Please visit [ualberta.ca/governors/distinction](http://ualberta.ca/governors/distinction) or call 492-4951 for information.

### 2004 GSTA RECIPIENTS

**Faculty of Agriculture, Forestry, and Home Economics**

1. Shaniiff Esmail, Department of Human Ecology

**Faculty of Arts**

1. Mridula Nath Chakraborty, Department of English
2. Hannah Classen, Department of Modern Languages and Cultural Studies
3. Valerie Henitiuk, Comparative Literature Program
4. Lisa Lawrence, Department of Modern Languages and Cultural Studies
5. Shannon Sampert, Department of Political Science
6. Erin Stepney, Department of Sociology
7. Andrew Weaver, Department of English

**School of Business**

1. Kathy He, Department of Finance and Management Science

**Faculty of Education**

1. Stephen Peter Berg, Department of Elementary Education

**Faculty of Engineering**

1. David Benfield, Department of Mechanical Engineering
2. T.M. Gunderson, Department of Mechanical Engineering
3. Robert Novak, Department of Electrical and Computer Engineering
4. Mike Taschuk, Department of Electrical and Computer Engineering

**Faculty of Nursing**

1. Fauziya Ali

**Faculty of Pharmacy and Pharmaceutical Sciences**

1. Lena C. Andrew

**Faculty of Physical Education and Recreation**

1. Patricia L. Ballance
2. Karen Louise Robinson

**Faculty of Rehabilitation Medicine**

1. Eric Parent

**Faculty of Science**

1. Joel Barker, Department of Earth and Atmospheric Sciences
2. James Bradley, Department of Earth and Atmospheric Sciences
3. Claudia Calin, Department of Mathematical and Statistical Sciences
4. Jamie Cote, Department of Chemistry
5. Ryan Danby, Department of Biological Sciences
6. Ebbing de Jong, Department of Chemistry
7. Bryan Demko, Department of Chemistry
8. Jeff Divino, Department of Biological Sciences
9. Alexandra Anne Eaves, Department of Biological Sciences
10. Megan Ann Glover, Department of Physics
11. Mark Jackson, Department of Mathematical and Statistical Sciences
12. Christopher Lee Jerde, Department of Biological Sciences
13. Torah Kachur, Department of Biological Sciences
14. Lihong Li, Department of Computing Science
15. Jonathan Mane, Department of Chemistry
16. Paul Christopher Moffatt, Department of Physics
17. Marianne Morris, Department of Computing Science
18. Aron Murphy, Department of Mathematical and Statistical Sciences
19. Robert John Patterson, Department of Physics
20. Dustin Rainey, Department of Earth and Atmospheric Sciences
21. Corbin K. Ralph, Department of Chemistry
22. Yulia Romaniuk, Department of Mathematical and Statistical Sciences
23. Aditya Anirban Saha, Department of Physics
24. Grant Sawisky, Department of Biological Sciences
25. Frederick Sagayaraj Vizeacoumar, Department of Computing Science
26. Weijie Wang, Department of Chemistry
27. Ross Witherell, Department of Chemistry
28. Rozlyn Fay Young, Department of Biological Sciences



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## ACCOMMODATIONS WANTED

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**OAK FINISH KIDS LADDER BED**, mattress, 6-drawer dresser and pull-out desk. \$1,200 new, asking \$400 obo, 469-1001.

## SERVICES

**MANAGING STRESS AND WELL BEING.** Acupressure sessions. UA Benefits Program Coverage. Gary Holdgrafer, Ph.D., Professor Emeritus. 452-8251. Visit [www.exploringcreativity.com](http://www.exploringcreativity.com)  
**ALEXANDER EDITING** – Manuscripts, theses, proposals, correspondence. Eleven years academic editing experience. 433-0741. Email: [nathanlaroi@shaw.ca](mailto:nathanlaroi@shaw.ca)

**TALK-TALK-TALK:** Unique 8-week course for adults in Lendrum (near U of A). Combines ESL/creativity. Speak freely/with confidence in a safe/fun environment. April/May. Call by March 25. Patricia (B.Ed., experienced, ATESL certified). Phone 288-2738.

# ELLA

**Edmonton  
Lifelong Learners  
Association**

## Spring Program for Older Adults May 3 to 21, 2004

Stimulate your mind and body with courses in art, liberal arts, social sciences and physical fitness.

The Spring Program for Older Adults runs for 3 weeks, with a variety of choices – up to five classes per day from over thirty courses. Classes are held during the daytime at the University of Alberta.

Total tuition fee is \$175.00 for members; membership in ELLA is \$20.00 per year. To join ELLA, and obtain a program outline, phone 492-5055 from 10:00 a.m. to 2:00 p.m., Tuesdays, Wednesdays or Thursdays. No academic pre-requisites required.

**The deadline for registration is April 16.**

The ELLA Spring Program for Older Adults is offered in cooperation with the U of A Faculty of Extension. ELLA is a non-profit association, run by volunteers committed to lifelong learning.



**CELEBRATING NSERC'S 25TH ANNIVERSARY**

## Canadian University Research Over the Next 25 Years: The Future of Research in Science and Engineering

### Open Forum

Thursday April 1, 2 to 3:30 p.m.

Engineering Teaching and Learning Centre  
(ETLC) 1-013 (one block south of Saskatchewan Drive on 116 Street)

Presentation by  
NSERC President Dr. Tom Brzustowski  
followed by 30-minute Q&A with audience

For more information call 492-0231  
or visit [www.rso.ualberta.ca/NSERCforum.cfm](http://www.rso.ualberta.ca/NSERCforum.cfm)



## CHILDREN AND WAR: IMPACT

Conference presentations by leading scholars and practitioners on the impact of war on children Friday and Saturday, April 2 & 3, 9-5pm, Lister Conference Centre, \$10/\$25 per day before March 24

### \*KEYNOTE ADDRESS\*

**Precious Resources: The Plight of Children in Conflict Zones**

Thursday April 1, 7:30 pm, Telus Centre, \$10

\*Lloyd Axworthy, CEO of the Liu Institute for Global Issues \*Olara Otunnu, UN Special Representative for Children and Armed Conflict \*Nazanin Afshin-Jam, Miss World Canada, first Runner-Up to Miss World

### \*YOUTH CONFERENCE\*

**Youth in Peacebuilding: Taking Ideas into Action**

Friday April 2, 10:00 am, U of A Campus, FREE

### \*CHILDREN AFFECTED BY THE WAR BENEFIT CONCERT\*

**Performances by Juno Nominees: In Essence, Brass/Munk and Choclaire**

Friday April 2, 7:30 pm, The Arts Barns, \$23 advance, \$25 door

\*Tickets available at the International Centre (U of A) or at Foosh

**International Conference  
University of Alberta  
April 1-3 2004**

For more information  
or to register contact  
the U of A International  
Centre at 492-2692 or  
[www.arts.ualberta.ca/childrenandwar](http://www.arts.ualberta.ca/childrenandwar)



Canadian International  
Development Agency



Agence canadienne de  
développement international

Social Sciences and Humanities  
Research Council of Canada

Conseil de recherches en  
sciences humaines du Canada

# folio

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**Display advertisements:** Camera-ready artwork is required to size, complete with halftones if necessary. Call 417-3464 for sizes, rates and other particulars.



# PRINT PERFECT

## Book designs earn passing grade

By Richard Cairney

Most people judge a book by its cover. They aren't aware of it, but they also judge books by the type of paper, typography, design and illustrations. All of these elements, as well as the written words on the pages, affect the way readers feel about the books they buy, or choose not to buy.

And some of the best books in Canada, winners of the Alcuin Society's 21st annual awards for excellence in book design, are now on display at the FAB Gallery. Sue Colberg, a University of Alberta professor of visual communication design, helped judge this year's entries.

"In some cases we reached a consensus pretty quickly," she said of the wide range of entries. "But with some of the books, we had to go through quite a bit of negotiation."

Colberg, who was joined by judges Sharon Romero of the Emily Carr Institute of Art and Randall Speller of the Art Gallery of Ontario, says books were judged as complete units.

"We look at everything: content, writing style, potential reading audience . . . everything from the detail of the typography to the use of white space to the material used, like the quality of binding and printing and the tone of paper – the whole works."

Colberg agrees that few people are aware of the function of design, but they do notice the pleasure it brings them.

"Many people have had the experience of reading a novel and not getting past one line – you keep reading the same line over and over again," she said, citing a common design problem that can be easily solved.

"There are a lot of fine details and adjustments that can be made."

Among the award winners is *The Canadian Dictionary of ASL*.

Published by the University of Alberta Press, the dictionary is described by the judges as a "massive accomplishment."

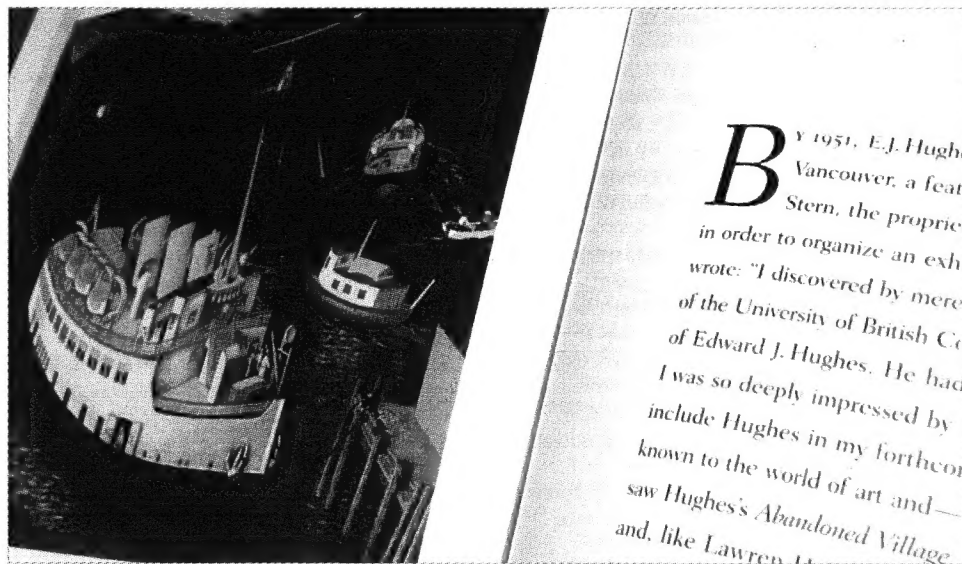
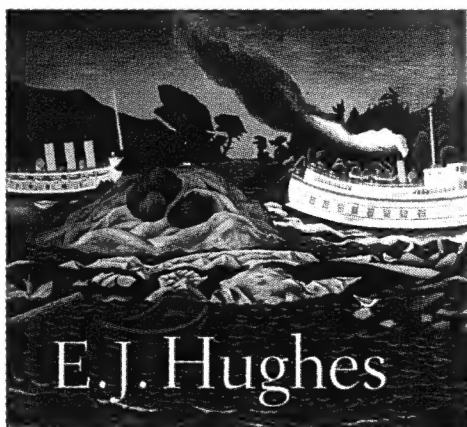
Designed by U of A Press designer Alan Brownoff, the book employs text and illustrations, taking second place in the reference category.

The awards are the only ones in Canada honouring book design. The

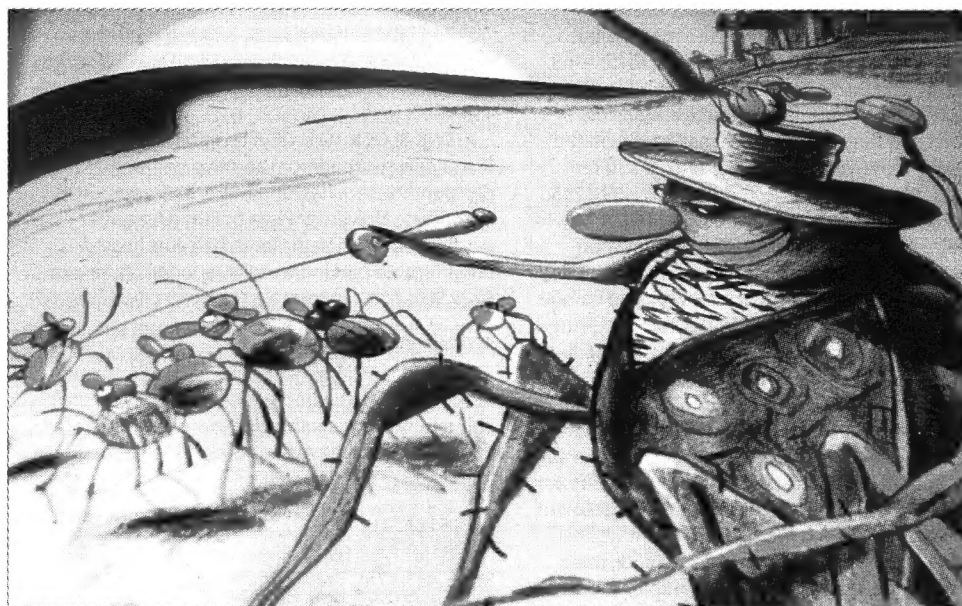
Alcuin Society is a voluntary group that promotes the appreciation of books and is named after Alcuin of Ork (c. 735 – 804 AD).

Alcuin served as Charlemagne's minister of culture and is credited with selecting the most legible typeface of his day, known as Caroline Miniscule. It ultimately led to our lower-case alphabet.

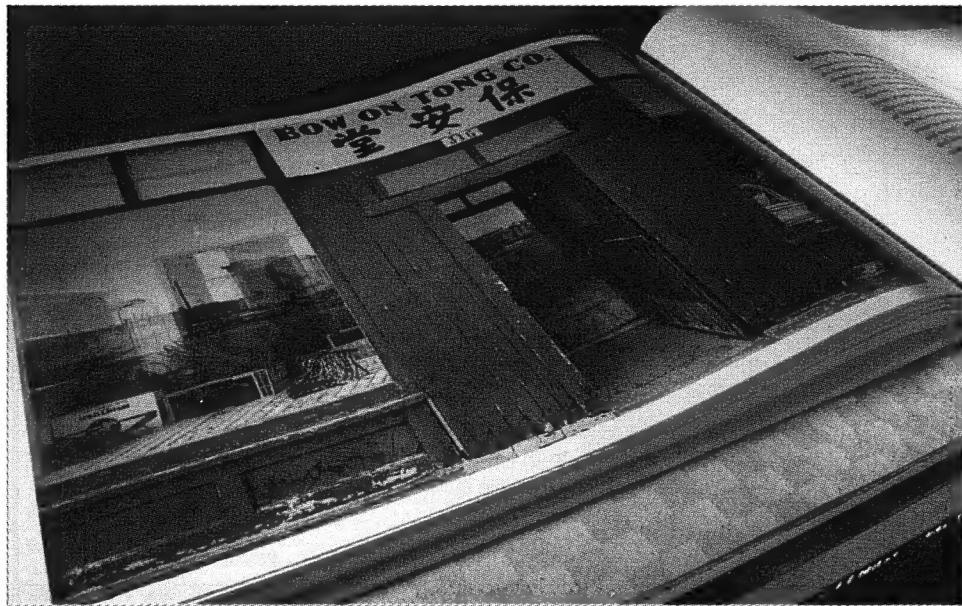
The exhibit continues at the FAB Gallery until March 27. ■



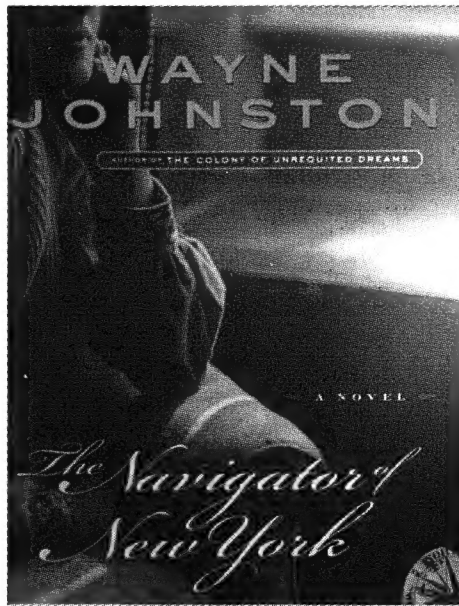
Pictorial first place: *E.J. Hughes* (also inset, left).



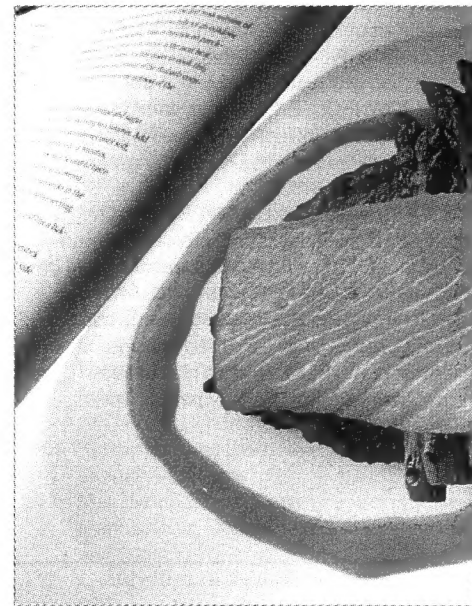
Children's third place: *Anancy and the Haunted House*.



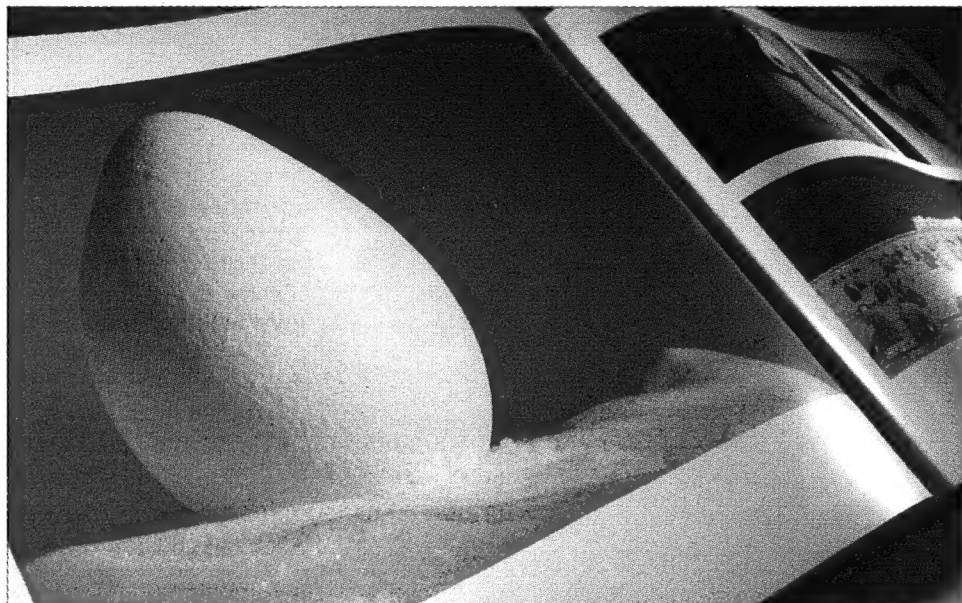
Pictorial second place: *Lethbridge, a City on the Prairie*.



Prose-fiction second place: *The Navigator of New York*.



Reference first place: *Simply Bishop's: Easy Seasonal Recipes*.



Limited Editions, honourable mention: *Antarctica*.

folio **back**  
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